

Peripherals Configuration Guide

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Peripherals Configuration Guide

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(COMSYS 1100/PG)
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HP 9000 Series 200, 300, & 500 Information

For information regarding the HP 9000 Series 200, 300, and 500 not contained in this publication, order the following configuration and product information guides. For further questions, contact the Sales Center, (303) 229-2600, at Ft. Collins Systems Division.

Series 200 — 09800-90020

Series 300 — 09561-90020

Series 500 — 09050-90050

The purpose of the Peripheral Configuration Guide is to serve as a reference document when configuring HP peripherals onto HP and non-HP Computer Systems. Although every effort is made to ensure that the information contained on the following pages is accurate and up-to-date, the possibility of error should not be overlooked. We have no reason to believe the information is inaccurate; however, remember this guide is intended as a reference document only. Nothing contained in this guide should be construed as a representation or warranty by Hewlett-Packard that such configurations will operate to the user's satisfaction.



Peripherals Configuration Guide

Commercial Systems: HP 250/260/3000

Workstation Discs	Page 4
System Discs	Page 6
Tape Drives	Page 27
Workstation Printers	Page 33
System Printers	Page 35
Plotters	Page 45
Tablets	Page 48
System Printers: Non-HP Commercial Systems	Page 49

Terminals: HP 700/XX/239X/262X/264X/2700

Color Graphics Printers	Page 52
Workstation Printers	Page 53
LaserJet Printers	Page 56
Plotters	Page 57

Technical Systems: HP 1000

Workstation Discs	Page 60
System Discs	Page 62
Tape Drives	Page 70
Workstation Printers	Page 73
LaserJet Printers	Page 74
System Printers	Page 75
Plotters	Page 78
Tablets	Page 79

Technical Workstations: HP 9000

Workstation Discs	Page 82
System Discs	Page 86
Tape Drives	Page 89
Color Graphics Printers	Page 91
Workstation Printers	Page 92
System Printers	Page 94
Plotters	Page 97
Tablets	Page 99

HP Personal Computers: Series 80/100/Vectra PC

Workstation Discs	Page 102
Color Graphics Printers	Page 104
Workstation Printers	Page 105
LaserJet Printers	Page 110

HP Personal Computers: Series 80/100/Vectra PC (Continued)

Scanners	Page 111
Plotters	Page 112
Tablets	Page 114

Non-HP Personal Computers

Workstation Discs	Page 116
Color Graphics Printers	Page 117
Workstation Printers	Page 119
LaserJet Printers	Page 121
Scanners	Page 124
Plotters	Page 125
Tablets	Page 128

Product Appendices

Appendix A:	Page 129
Tape Drive Options and Field Upgrades	
Appendix B:	Page 131
System Disc Accessories and Field Upgrades	
Appendix C:	Page 132
Tape Drive and System Disc Cabinet Matrices	
Cable Guide	Page 138
Cable Matrices	Page 144
Cable Pin Outs	Page 241
Replacement Cables	Page 251

Product Features

Workstation Discs/Disc Memory Division	Page 254
Internal Discs/Disc Memory Division	Page 256
1/4" Tape Drives/Bristol Division	Page 257
System Discs/Disc Memory Division	Page 258
Tape Drives/Greeley Tape Operation	Page 261
Tape Drives/Computer Periph. Bristol	Page 263
Workstation Printers/Vancouver Division	Page 264
System Printers/Boise Division	Page 266
Asian Printers/Asian Hard Copy Operation	Page 268
Color Graphics Printers/San Diego Division	Page 269
Plotters and Color Film Recorders/San Diego Division	Page 270
Terminals/Roseville Terminals Division	Page 273

Peripherals Configuration Guide

workstation discs							
system discs							
tape drives							
workstation printers							
system printers							
plotters							
tablets							

**HP250
HP260
HP3000**

COMMERCIAL SYSTEMS

COMBINATIONS		TAPE DRIVE			HOST		
Host	Disc Drive	Maximum No. of Data Storage Systems	Type of Interface	Cables Sent with Disc	Interface and/or Cable Required	Host Requirements	Notes
HP 3000 Series 37/37XE	9144A/AR‡	2 Maximum	HP-IB	None	PIC (Does not require a dedicated PIC) 30459A 10833 HP-IB Cable	MPE-V/E T-MIT (G.01.00)	
HP 3000 Series 40/40SX, 44/64, 39/42/48/68	9144A/AR‡	4 Maximum	HP-IB	None	GIC (30079A) 45529 HP-IB Cable (or 10833) 9144A requires 30079A	MPE-V/E T-MIT	39/40/40SX/42 W/9144A: Cold Load with CPS-E Microcode Only 6x not supported for Cold Load with 9144A. 64/68 with 9144A: Cannot be on the same GIC as System Disc or Cold Load Device.
		DISC DRIVE					
HP 250 HP 260	9133L 9134L 9144A/AR†‡ 9153B* 9154B*	4 Maximum	HP-IB	None	10833 A/B HP-IB Cable	All require Op Sys B.07.00 9134L and the 9154B requires addition of "Update" ROM.	Up to 3 standalone disc drives may be added to a disc/backup device.

* Tested and supported on HP 260 Series 30 and 40. Op Sys B.08.00 required.

† Op Sys B.08.00 required.

‡ AR versions are remarketed products available from FRD.

COMBINATIONS		DISC DRIVE			HOST		
Host	Disc Drive	Maximum No. of Data Storage Systems	Type of Interface	Cables Sent with Disc	Interface and/or Cable Required	Host Requirements	Notes
HP 3000 Series 30/33, 40/40SX, 44/64, 39/42/48/68	9895A† Opt 010	1 Maximum	HP-IB	None	GIC (30079A) 45529 HP-IB Cable or 10833A	MPE	
HP 250	9134XV	1 Maximum	HP-IB	None Order 10833A/B HP-IB Cable	PIC (Included with system, except on Models 20, 25, and 26)	9134XV requires Op Sys B.06.01 or later	9134XV not supported as an O/S load device except on B.07.00
HP 250	9133/34D‡ 9133/34H	4 Maximum	HP-IB	None	10833A/B	9133/34D and 9133/34H require Op Sys B.07.00 9134D/H requires addition of "Update" ROM.	Up to 3 standalone disc drives may be added to a disc/backup device when using the 9133/34D or 9133/34H
HP 260	9133/34D‡ 9133/34H	4 Maximum	HP-IB	None	10833A/B	All require Op Sys B.07.00 9134D/H requires addition of "Update" ROM.	Up to 3 standalone disc drives may be added to a disc/backup device

* 9134XV is no longer in production. Support life ends 7-1-90.
† The 9895A is no longer in production. Support life ends 8-1-91.
‡ Not supported on HP 260 Series 30 and 40.

Discontinued Workstation Discs _____ Commercial Systems

COMBINATIONS		SYSTEM DISCS			HOST			
Host	Disc Drive†	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Maximum Supported Cable Length	Host Requirements
250 260	7911P†	4 Maximum	None	10833B (HP-IB) 2 m 10833A (HP-IB) 1 m* 10833A (HP-IB) 1 m*	HP-IB	Sent with Disc	2 m	Requires Op Sys 4 or greater
		4 Total						
250 260 Including Series 30 and 40	7912P† 7942A** 7946A** 7957/58A	4 Maximum	None	10833A (HP-IB) 1 m	HP-IB	Sent with Disc	2 m	7912P requires Op Sys 4 or greater Op Sys B.07 or greater required for 7941A/42A/45A/45AR/46A To use the 794X as a load device a firmware upgrade (452650) is required. 7957/58A requires Op Sys B.08 or greater.
		4 Total						
260	7957B 7958B	4 Maximum	Wø3 for 90-day on-site warranty	10833A (HP-IB) 1 m	HP-IB	Sent with Disc	2 m	Requires Op Sys B.09 or greater

* 7911/12 include the equivalent of 1 m HP-IB cable internally. (Must consider for configuration; i.e., HP-IB loading requirements.)

** Discontinuance announcement 10-15-87.

7924A off CPL 3-1-88. 10-year support life ends 3-1-98.
7946A off CPL 1-1-89. 10-year support life ends 1-1-99.

† Off CPL 3-1-88. 10-year support life ends 3-1-98.

‡ Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.

§ Refer to Cabinet Matrices, Appendix C.

COMBINATIONS		SYSTEM DISC			HOST			
Host	Disc Drive‡‡	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Maximum Supported Cable Length	Host Requirements
250	7906M§	1 Maximum	102	Multi-unit and Data Cable Internal 10833B (HP-IB) 2 m	HP-IB	Sent with Master Disc	2 m	
	7906S§	1 Maximum	Master Disc Required	13013B-003* (Multi-Unit) 2.4 m 13213B-002* (Data) 15.2 m				
	7906H§	2 Maximum	None	10833B (HP-IB) 2 m				
250 260	7908P‡	4 Maximum	None	10833B (HP-IB) 2 m 10833A (HP-IB) 1 m† 10833A (HP-IB) 1 m†	HP-IB	Sent with Disc	2 m	Requires Op Sys 4 or greater
		4 Total						
250 260 Including Series 30 and 40	7941A†† 7945A/AR††	4 Maximum	None	10833A (HP-IB) 1 m	HP-IB	Sent with Disc	2 m	7912P requires Op Sys 4 or greater Op Sys B.07 or greater required for 7941A/42A/45A/45AR/46A To use the 794X as a load device a firmware upgrade (452650) is required 7957/58A requires Op Sys B.08 or greater
		4 Total						
300	7906M/MS§ 7920M/MR** 7925M/MR**	1 Maximum	102	Multi-Unit & Data Cable Internal 10833B (HP-IB) 2 m	HP-IB	Sent with Master Disc	2 m	
	7906S/SS§ 7920S/SR** 7925S/SR**	2 Maximum	Master Disc Required	13013B-003* (Multi-Unit) 2.4 m 13213B-002* (Data) 15.2 m				
		3 Total						

* Special cable lengths are available. See Accessories List, Appendix B.

† 7911/12 include the equivalent of 1 m HP-IB cable internally.
(Must consider for configuration; i.e., HP-IB loading requirements.)

‡ Product no longer in production. Seven-year support life ends 2-1-95.

§ End of production 10-1-86. Remarketed products may be available from FRD.
End of support life 10-1-96.

** End of production 6-1-86. Remarketed products may be available from FRD. End of support life 6-1-96.

†† Product no longer in production. 10-year support life ends 9-1-97.

‡‡ Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.

Discontinued System Discs _____ Commercial Systems

COMBINATIONS		SYSTEM DISC			HOST			
Host	Disc Drive**	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Maximum Supported Cable Length	Host Requirements
3000 Series III/IIIR†	7920M/MR‡ 7925M/MR‡	1 Maximum	None	Multi-unit and Data Cable Internal	30229B	Sent with I/F Card	5.5 m (18 ft)	
	7920S/SR‡ 7925S/SR‡	7 Maximum	Master Disc Required	13013B-003* (Multi-Unit) 2.4 m 13213B-002* (Data) 15.2 m				
	7933H/HR§	4 Maximum	Needs Starfish	10833B (HP-IB) 1 m	30341A (Discontinued — Supported but not available for purchase) Maximum 8 loads/GIC 7933 = 1 load 2680 = 3 loads 7976 = 2 loads	Sent with Disc		MPE III or MPE IV
		12 Total						

* Not supported as the primary system disc (LDEV1) Must have MAC family master disc configured as system disc.

† System no longer in production. Remarketed products available from FRD.

‡ End of production 6-1-86. Remarketed products may be available from FRD. End of support life 6-1-96.

§ Special cable lengths available. See Accessories List, Appendix B.

** Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.

COMBINATIONS		SYSTEM DISC			HOST			
Host	Disc Drive**	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Maximum Supported Cable Length	Host Requirements
3000 Series 30/30R 33/33R‡	7911P§ 7912P§	1† Maximum	001	10833A (HP-IB) 1 m*	2 GIC's — Dedicated GIC — Cartridge Tape	Sent with Disc		Either 1/2" mag tape or serial disc for backup
	7911P§ 7912P§ Option 140	3† Maximum	140	10833A (HP-IB) 1 m*	GIC	Sent with Disc		
	(Combining 791X & 7933)	3 Subtotal						

* 7911/12 include the equivalent of 1 m HP-IB cable internally. Must consider for configuration; i.e., HP-IB loading requirements.

† Add-on disc only. Not supported as system disc.

‡ System no longer in production. Seven-year support life ends 2-1-92.

§ Off CPL 3-1-88. 10-year support life ends 3-1-98.

** Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.

System Discs _____ Commercial Systems

COMBINATIONS		SYSTEM DISC			HOST				
Host	Disc Drive††	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Maximum Supported Cable Length	Host Requirements	
3000 Series 30/30R 33/33R‡	7933H/HR	3† Maximum	None	10833A (HP-IB) 1 m	GIC	Sent with Disc			
	(Combining 791X & 7933)	3 Subtotal							
	7906M/MS§ 7920M/MR†† 7925M/MR††	1 Maximum	102	Multi-unit and Data Cable Internal 10833B (HP-IB) 2 m	GIC (8 Drives/GIC)	Sent with Disc	2 m		
	7906S/SS§ 7920S/SR** 7925S/SR**	7 Maximum	Master Disc Required	13013B-003* (Multi-Unit) 2.4 m 13213B-002* (Data) 15.2 m					
	Combining 7906/20/25	8 Subtotal							
		8 Total							

* Special cable lengths available. See Accessories List, Appendix B.
 † Add-on disc only. Not supported as system disc.
 ‡ System no longer in production. Seven-year support life ends 2-1-92.
 § End of production 10-1-86. End of support life 10-1-96. Remarketed products available from FRD.

** Product discontinuance announced. End of production 6-1-86. Remarketed products available from FRD.
 †† Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.

COMBINATIONS		SYSTEM DISC			HOST		
Host	Disc Drive†	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Host Requirements
3000 Series 37	7912P* 7914P/PR*	4 Maximum 4 Maximum	140 140	10833A (HP-IB) 1 m	PIC — 30459A	Sent with Disc	Mag tape required with over 220 Mbyte on-line MPE V/E T-MIT
	7935H/HR	4 Maximum	Std				
	7936H/XP 7937H/XP	4 Maximum	Std	10833A (HP-IB) 1 m			(For H only) MPE V/E UB or delta 6-MIT (For XP only) MPE V/E UB MIT
	7957A 7958A/AR‡	4 Maximum	Std				MPE V/UB delta 1-MIT
	7957B 7958B 7959B 7961B 7962B 7963B	4 Maximum	W ϕ 3 for 90-day on-site warranty	10833A (HP-IB) 1 m			Requires MPE V V-delta-1 (G.03.01) and later

* Off CPL 3-1-88. 10-year support life ends 3-1-88.

‡ AR versions are remarketed products available from FRD.

† Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.

System Discs _____ **Commercial Systems**

COMBINATIONS		SYSTEM DISC			HOST		
Host	Disc Drive**	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Host Requirements
3000 Series 37	7914ST*§ 7914CT†§	2 Maximum 2 Maximum	Std Std	10833A (HP-IB) 1 m	PIC — 30459A	Sent with Disc	Mag tape required with over 220 Mbyte on-line MPE V/E T-MIT
	7933H†† 7933HR††	4 Maximum	Std				
	7945A/AR§	4 Maximum	Std	10833A (HP-IB) 1 m	PIC — 30459A	Sent with Disc	Mag tape required with over 220 Mbyte on-line MPE V/E T-MIT
	Combining 791X/793X/7945‡	8 Maximum					

* 7914ST conforms to configuration limitations of 7914P/R and the 7974 with its own set of option numbers. Note also that each device in the 7914ST package has its own separate HP-IB cabling.
 † 7914CT conforms to configuration limitations of 7914P/R and the 9144A with its own set of option numbers. Note that each device in the 7914CT package has its own separate HP-IB cabling.

‡ Product discontinuance announcement 2-15-87. Off CPL 3-1-88.
 § Product no longer in production. 10-year support life ends 9-1-97.
 ** Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.
 †† 7933H new products removed from CPL Dec 1, 1987. Remarketed 7933 HR/XR available from FRD.

COMBINATIONS		SYSTEM DISC			HOST		
Host	Disc Drive‡	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Host Requirements
3000 Series 39, 40/40R, 42/42R, 42XP, and 52	7911P† 7912P† 7914P†	1 Maximum	001	10833A (HP-IB) 1 m	GIC (30079A) (Opt 001 requires 2 GIC's — Tape requires dedicated GIC)	Sent with Disc	
	7911P† 7912P†	4 Maximum	140	10833A (HP-IB) 1 m	GIC (30079A)	Sent with Disc	
	7914P/PR†	8 Maximum 1 Maximum 4 Maximum	140 Std	10833A (HP-IB) 1 m (See Data Sheet)	GIC (30079A) GIC (30079A)	Sent with Disc Sent with Disc and Tape Drive	

* 7911/12/14 include the equivalent of 1 m cable internally. Must consider for configuration; i.e., HP-IB loading requirements.

† Off CPL 3-1-88. 10-year support life ends 3-1-98.

‡ Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.

System Discs _____ **Commercial Systems**

COMBINATIONS		SYSTEM DISC			HOST		
Host	Disc Drive§§	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Host Requirements
3000 Series 39, 40/40R, 42/42R, 42XP, and 52	7914TD** 7914TR†/ST‡‡	1 Maximum	002	(See Data Sheet)	GIC (30079A) (Opt 001 requires 2 GIC's — Tape requires dedicated GIC)	Sent with Disc & Tape Drive	
	7914P/PR†† 7914TD/TR**† 7914ST‡ ‡‡ §	8 Maximum 1 Maximum 4 Maximum	140 Std	10833A (HP-IB) 1 m (See Data Sheet)	GIC (30079A) GIC (30079A)	Sent with Disc Sent with Disc and Tape Drive	
	7914CT§‡‡	4 Maximum		(See Data Sheet)	GIC (30079A) (Can be shared by disc and tape)	Sent with Disc and Tape Drive	Requires MPE-V/E T-MIT. Requires CPS-E microcode when used as a cold load device. Mag tape required with over 307 Mbytes on-line.

* 7914TD conforms to configuration limitations of 7914P/R and 7970E with its own separate set of option numbers (see 7914TD Data Sheet). Note also that each device in the 7914TD package has its own separate HP-IB cabling.

† 7914ST conforms to configuration limitations of 7914P/R and the 7974A with its own set of option numbers. Note also that each device in the 7914ST package has its own separate HP-IB cabling.

‡ 7914CT conforms to configuration limitations of 7914P/R and the 9144A with its own set of option numbers. Note also that each device in the 7914CT package has its own separate HP-IB cabling.

§ Product no longer in production. Ten-year support life ends 11-1-95. Remarketed products available from FRD.

** Product no longer in production. 10-year support life ends 11-1-95.

†† Off CPL 3-1-88. 10-year support life ends 3-1-98.

‡‡ Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.

COMBINATIONS		SYSTEM DISC			HOST		
Host	Disc Drive*	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Host Requirements
3000 Series 39, 40/40R, 42/42R, 42XP, and 52	7935XP	8 Maximum	None	10833A (HP-IB) 1 m	GIC (30079A) 6 Drives/GIC	Sent with Disc	XP requires MPE-V/E T-delta 2-MIT or later
	7936H/7937H 7936XP/7937XP	8 Maximum	None	10833A (HP-IB) 1 m	GIC (30079A)	Sent with Disc	MPE/V UB or T-delta 6-MIT
	7957A/AR† 7958A/AR†	4 Maximum	None	10833A (HP-IB) 1 m	GIC (30079A)	Sent with Disc	MPE/V UB delta 1-MIT
	7957B 7958B 7959B 7961B 7962B 7963B	8 Maximum	W φ 3 for 90-day on-site warranty	10833A (HP-IB) 1 m	GIC (30079A)	Sent with disc	Requires MPE/V V-delta-1 (G.03.01) and later

* Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.

† AR versions are remarketed products available from FRD.

System Discs _____ Commercial Systems

COMBINATIONS		SYSTEM DISC			HOST		
Host	Disc Drive§	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Host Requirements
3000 Series 39, 40/40R, 42/42R, 42XP, and 52	7920M/MR† 7925M/MR†	2 Maximum	102	Multi-unit and Data Cable Internal 10833A (HP-IB) 2 m	GIC (30079A) 8 drives/GIC	Sent with Master Disc	
	7920S/SR† 7925S/SR†	7 Maximum 1 Master/ 7 Slaves	Master Disc Required	13013B-003* (Multi-unit) 2.4 m 13213B-002* (Data) 15.2 m			
	7920/25†	8 Subtotal					
	7933H/HR	8 Maximum	None	10833A (HP-IB) 1 m	GIC (30079A) 6 Drives/GIC	Sent with Disc	
	7933H/XP**	8 Maximum	None	10833A (HP-IB) 1 m	GIC (30079A) 6 Drives/GIC	Sent with Disc	XP requires MPE-V/E T-delta 2-MIT or later
	7945A/AR‡	4 Maximum	None	10833A (HP-IB) 1 m	GIC 30079A)	Sent with Disc	MPE-V/E T-MIT
	Combining 791X††/792X/ 793X/7945‡	8 Total			Maximum 6 drive controllers/GIC (30079A) Maximum 2 high speed GIC's (30079A)		*Observe HP-IB loading requirements

* Special cable lengths available. See accessories list, Appendix B.

† End of production 6-1-86. Remarketed products may be available from FRD.
End of support life 6-1-96.

‡ Off CPL 9-1-87. 10-year support life ends 9-1-97.

§ Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.

** 7933H/XP new products removed from CPL 12-1-87. Remarketed 7933HR/XR available from FRD.

†† Off CPL 3-1-88. 10-year support life ends 3-1-98.

COMBINATIONS		SYSTEM DISC			HOST		
Host	Disc Drive‡	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Host Requirements
3000 Series 44/44R, 48/48R, and 58	7911P† 7912P† 7914P/PR†	1 Maximum	001	10833A (HP-IB) 1 m*	GIC (30079A) (Opt 001 requires 2 GIC's — Tape requires dedicated GIC) (30079A)	Sent with Disc	Mag tape required for backup
			002	(See Data Sheet)		Sent with Disc & Tape Drive	
	7911P† 7912P†	4 Maximum	140	10833A (HP-IB) 1 m*	GIC (30079A)	Sent with Disc	
		7914P/PR†					8 Maximum

* 7911/12/14 include the equivalent of 1 m cable internally. Must consider for configuration; i.e., HP-IB loading requirements.

† Off CPL 3-1-88. 10-year support life ends 3-1-98.

‡ Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.



System Discs _____ Commercial Systems

COMBINATIONS		SYSTEM DISC			HOST		
Host	Disc Drive‡‡	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Host Requirements
3000 Series 44/44R, 48/48R, and 58	7914TD**/TR** 7914ST‡‡	1 Maximum	002	(See Data Sheet)	GIC (30079A) (Opt 001 requires 2 GIC's — Tape requires dedicated GIC) (30079A)	Sent with Disc & Tape Drive	Mag tape required for backup
	7914TD**/TR** 7914ST‡‡	2 Maximum 4 Maximum	STD	(See Data Sheet)	GIC (30079A)	Sent with Disc and Tape Drive	
	7914CT§‡‡	4 Maximum		(See Data Sheet)	GIC (Can be shared by disc and tape) (30079A)	Sent with Disc and Tape Drive	Requires MPE-VE T-MIT. Mag tape required for backup.

* 7911/12/14 include the equivalent of 1 m cable internally. Must consider for configuration; i.e., HP-IB loading requirements.

† 7914TD conforms to configuration limitations of 7914P/R and 7970E with its own separate set of option numbers (see 7914TD Data Sheet). Note also that each device in the 7914TD package has its own separate HP-IB cabling.

‡ 7914ST conforms to configuration limitations of 7914P/R and the 7974A with its own set of option numbers. Note also that each device in the 7914ST package has its own separate HP-IB cabling.

§ 7914CT conforms to configuration limitations of 7914P/R and the 9144A with its own set of option numbers. Note also that each device in the 7914CT package has its own separate HP-IB cabling.

** Product no longer in production. Ten-year support life ends 11-1-95. Remarketed products available from FRD.

‡‡ Product no longer in production. Support life ends 9-1-97.

‡‡ Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.

COMBINATIONS		SYSTEM DISC			HOST		
Host	Disc Drive†	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Host Requirements
3000 Series 44, 48, and 58	7935H/HR	8 Maximum	None	10833A (HP-IB) 1 m	6 Drives/GIC (30079A)	Sent with Disc	
	7935XP/XR	8 Maximum	None	10833A (HP-IB) 1 m	6 Drives/GIC (30079A)	Sent with Disc	XP requires MPE V/E T-delta 2-MIT or later
	7936H/7937H 7936XP/7937XP	8 Maximum	None	10833A (HP-IB) 1 m	6 Drives/GIC (30079A)	Sent with Disc	MPE V/E UB or T-delta 6-MIT
	7957A/AR§ 7958A/AR§	4 Maximum	None	10833A (HP-IB) 1 m	GIC (30079A)	Sent with Disc	MPE V/E UB delta 1-MIT
	Combining 791X‡/792X/ 793X/7945*	16 Total			Maximum 6 drive controllers/GIC (30079A) Maximum 2 high speed GIC's (30079A)		Observe HP-IB loading requirements
	7957B 7958B 7959B 7961B 7962B 7963B	8 Maximum	W φ 3 for 90-day on-site warranty	10833A (HP-IB) 1 m	GIC (30079A)	Sent with Disc	Requires MPE/V V-delta-1 (G.03.01) and later

* Product no longer in production. 10-year support life ends 9-1-97.

† Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.

‡ Product discontinuance announcement off CPL 3-1-88.

§ AR versions are remarketed products available from FRD.

System Discs _____ Commercial Systems

COMBINATIONS		SYSTEM DISC			HOST		
Host	Disc Drive§	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Host Requirements
3000 Series 44, 48, and 58	7920M/MR† 7925M/MR†	2 Maximum	102	Multi-Unit and Data Cable Internal 10833A (HP-IB) 2 m	GIC (30079A) Maximum 16 drives/GIC (30079A)	Sent with Master Disc	
	7920S/SR† 7925S/SR†	14 Maximum 1 Master/7 Slaves or 2 Masters/ 14 Slaves	Master Disc Required	13013B-003* (Multi-Unit) 2.4 m 13213B-002* (Data) 15.2 m			
	7920/25†	16 Subtotal					
	7933H** 7933XR	8 Maximum	None	10833A (HP-IB) 1 m	6 Drives/GIC (30079A)	Sent with Disc	
	7933XP** 7933XR	8 Maximum	None	10833A (HP-IB) 1 m	6 Drives/GIC (30079A)	Sent with Disc	XP requires MPE V/E T-delta 2-MIT or later
	7945A/AR‡	4 Maximum	None	10833A (HP-IB) 1 m	GIC (30079A)	Sent with Disc	MPE-V/E T-MIT
	Combining 791X††/792X/ 793X/7945‡	8 Total			Maximum 6 drive controllers/GIC (30079A) Maximum 2 high speed GIC's (30079A)		Observe HP-IB loading requirements

* Special cable lengths available. See Accessories List, Appendix B.

† Product no longer in production. 10-year support life ends 6-1-96. Remarketed products may be available from FRD.

‡ Product no longer in production. 10-year support life ends 9-1-97.

§ Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.

** New product removed from CPL 12-1-87. Remarketed 7933HR/XR available from FRD.

†† Off CPL 3-1-88. 10-year support life ends 3-1-98.

COMBINATIONS		SYSTEM DISC			HOST		
Host	Disc Drive‡	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Host Requirements
3000 Series 68 and 70	7911P† 7912P† 7914P/PR†	1 Maximum	001	10833A (HP-IB) 1 m*	GIC (30079A) (Opt 001 requires 2 GIC's — Tape requires dedicated GIC)	Sent with Disc	Mag tape required for backup
	7911P† 7912P†	1 Maximum	140	10833A (HP-IB) 1 m*	GIC (30079A)	Sent with Disc	Mag tape required for backup
	7914P/PR†	8 Maximum					

* 7911/12/14 include the equivalent of 1 m cable internally. Must consider for configuration; i.e., HP-IB loading requirements.

† Off CPL 3-1-88. 10-year support life ends 3-1-98.

‡ Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.

System Discs _____ Commercial Systems

COMBINATIONS		SYSTEM DISC			HOST		
Host	Disc Drive‡‡	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Host Requirements
3000 Series 68 and 70	7914TD§* 7914TR/ST†††	1 Maximum	002	(See Data Sheet)	GIC (30079A) (Opt 001 requires 2 GIC's — Tape requires dedicated GIC)	Sent with Disc & Tape Drive	Mag tape required for backup
	7914P/PR**	8 Maximum					
	7914TD/TR§* 7914ST†††	2 Maximum 4 Maximum	STD	(See Data Sheet)	GIC (30079A)	Sent with Disc and Tape Drive	
	7914CT‡‡‡	4 Maximum		(See Data Sheet)	GIC (30079A) (Can be shared by disc and tape)	Sent with Disc and Tape Drive	Requires MPE-V/E T-MIT. Mag tape required for backup.

* 7914TD conforms to configuration limitations of 7914P/R and 7970E with its own separate set of option numbers (see 7914TD Data Sheet). Note also that each device in the 7914TD package has its own separate HP-IB cabling.

† 7914ST conforms to configuration limitations of 7914P/R and the 7974A with its own set of option numbers. Note also that each device in the 7914ST package has its own separate HP-IB cabling.

‡ 7914CT conforms to configuration limitations of 7914P/R and the 914A with its own set of option numbers. Note also that each device in the 7914CT package has its own separate HP-IB cabling.

§ Product no longer in production. Ten-year support life ends 11-1-95. Remarketed products may be available from FRD.

** Off CPL 3-1-88. 10-year support life ends 3-1-98.

†† Product no longer in production. 10-year support life ends 9-1-97.

‡‡ Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.

COMBINATIONS		SYSTEM DISC			HOST		
Host	Disc Drive**	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Host Requirements
3000 Series 68 and 70	7935H/HR	16 Maximum (24 Maximum)*	None	10833A (HP-IB) 1 m	GIC (30079A) 6 Drives/GIC (30079A)	Sent with Disc	
	7933XP 7933XR 7935XP†† 7935XR	16 Maximum (24 Maximum)*	None	10833A (HP-IB) 1 m	GIC (30079A) 6 Drives/GIC (30079A)	Sent with Disc	XP on MPE V/E T-delta 2-MIT
	7936H/7937H 7936XP/7937XP	16 Maximum (24 Maximum)‡		10833A (HP-IB) 1 m	GIC 1(30079A) 6 Drives/GIC 0(30079A)	Sent with Disc	MPE V/E UB or T-delta 6-MIT
	7957A/AR††§§ 7958A/AR††§§	4 Maximum	None	10833A (HP-IB) 1 m	GIC (30079A)	Sent with Disc	MPE V/E UB delta 1-MIT
	7957B 7958B 7959B 7961B 7962B 7963B	8 Maximum	W φ 3 for 90-day on-site warranty	10833A (HP-IB) 1 m	GIC (30079A)	Sent with Disc	Requires MPE V V-delta-1 (G.03.01) and later
	Combining 791X/792X† 793X/7945§	16 Total (24 total)				Maximum 6 drive controllers/GIC (30079A) Maximum 4 high speed GIC's (30079A) (16 total) Maximum 6 high speed GIC's (30079A) (24 total)	Note: Observe HP-IB loading requirements

* With two I/O bays; maximum of 16 of either the 7933 or 7935 is supported; can add eight of the other model.
† End of production 6-1-86. 10-year support life ends 6-1-96. Remarketed products may be available from FRD.
‡ Maximum of 16 drives on system with one I/O bay; 24 on system with two I/O bays.
§ Product discontinuance announcement 2-15-87. Off CPL 9-1-87.

** Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.
†† Not supported as system discs. (L DEV 1)
‡‡ New products off CPL 12-1-87. Remarketed 7933HR/XR available from FRD.
§§ AR versions are remarketed products available from FRD.

System Discs _____ Commercial Systems

COMBINATIONS		SYSTEM DISC			HOST		
Host	Disc Drive†‡	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Host Requirements
3000 Series 68 and 70	7920M/MR§ 7925M/MR§	16 Maximum	102	Multi-Unit and Data Cable Internal 10833A (HP-IB) 2 m	Maximum 6 Master/GIC (30079A) Up to 16 Drives/GIC (30079A)	Sent with Master Disc	
	7920S/SR§ 7925S/SR§	14 Maximum 1 Master/ 7 Slaves	Master Disc Required	13013B-003* (Multi-Unit) 2.4 m 13213B-002* (Data) 15.2 m			
	7920/25§	16 Subtotal					
	7933H*** 7933HR	16 Maximum (24 Maximum)‡	None	10833A (HP-IB) 1 m	GIC (30079A) 6 Drives/GIC (30079A)	Sent with Disc	
	7933XP*** 7933XR	16 Maximum (24 Maximum)‡	None	10833A (HP-IB) 1 m	GIC (30079A) 6 Drives/GIC (30079A)	Sent with Disc	XP on MPE V/E T-delta 2-MIT
	7945A/AR††§§	4 Maximum	None	10833A (HP-IB) 1 m	GIC (30079A)	Sent with Disc	MPE-V/E T-MIT
	Combining 791X/792X§ 793X/7945††	16 Total (24 total)				Maximum 6 drive controllers/GIC (30079A) Maximum 4 high speed GIC's (30079A) (16 total) Maximum 6 high speed GIC's (30079A) (24 total)	

* Special cable lengths available. See Accessories List, Appendix B.

† Can't share a GIC with system disc (Ldev1) or cold load drive; cannot be used as a system disc.

‡ With two I/O bays; maximum of 16 of either the 7933 or 7935 is supported; can add eight of the other model.

§ End of production 6-1-86. Remarketed products may be available from FRD. 10-year support life ends 6-1-96.

** Maximum of 16 drives on system with one I/O bay; 24 on system with two I/O bays.

†† Product no longer in production. 10-year support life ends 9-1-97.

‡‡ Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.

§§ Not supported as system discs. (L DEV 1)

*** New products off CPL 12-1-87. Remarketed products 7933HR/XR available from FRD.

COMBINATIONS		SYSTEM DISC			HOST		
Host	Disc Drive‡	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Host Requirements
3000 Micro 3000	7936H/XP	4 Maximum	N/A	10833A	System integrated HP-IB		MPE V/E UB-delta-1
	7937H/XP	4 Maximum	N/A	10833A	System integrated HP-IB		MPE V/E UB-delta-1
	7957A	4 Maximum	*	10833A	System integrated HP-IB		MPE V/E UB-delta-1
	7958A/AR**	4 Maximum	*	10833A	System integrated HP-IB		MPE V/E UB-delta-1
	7957B 7958B 7959B 7961B 7962B 7963B	4 Maximum	W φ 3 for 90-day on-site warranty	10833A (HP-IB) 1 m	30459A		Requires MPE/V V-delta-1 (G.03.01) and later
3000 Micro 3000XE	7914†	8 Maximum	N/A	10833A	30459A		MPE V/E UB-delta-1
	7933H/XP§ 7933HR/XR	8 Maximum	N/A	10833A	30459A		MPE V/E UB-delta-1
	7935H/XP 7933HR/XR/AR**	8 Maximum	N/A	10833A	30459A		MPE V/E UB-delta-1
	7936H/XP	8 Maximum	N/A	10833A	30459A		MPE V/E UB-delta-1
	7937H/XP	8 Maximum	N/A	10833A	30459A		MPE V/E UB-delta-1
	7957A	4 Maximum	N/A	10833A	30459A		MPE V/E UB-delta-1
	7958A	4 Maximum	N/A	10833A	30459A		MPE V/E UB-delta-1
	7957B 7958B 7959B 7961B 7962B 7963B	8 Maximum	W φ 3 for 90-day on-site warranty	10833A (HP-IB) 1 m	30459A		Requires MPE/V V-delta-1 (G.03.01) and later

* A 7957 or 7958 is included with the bundled system. An add-on drive can be ordered as an option 007 or option 008 to the system at the time of purchase. After, installation standard 7957/7958's are ordered.

† Product discontinuance announced 2-15-87. Off CPL 3-1-88.

‡ Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.

§ New products off CPL 12-1-87. Remarketed products 7933HR/XR available from FRD.

** AR versions are remarketed products available from FRD.

System Discs

Commercial Systems

COMBINATIONS		SYSTEM DISC			HOST		
Host	Disc Drive	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Host Requirements
3000 Micro 3000XE	7914ST*	2 Maximum	N/A	See Data Sheet	30459A		MPE V/E UB-delta-1
	7914CT*	2 Maximum	N/A	See Data Sheet	30459A		MPE V/E UB-delta-1
	7945A	4 Maximum	N/A	10833A	30459A		MPE V/E UB-delta-1

* Product no longer in production. 10-year support life ends 9-1-97.

COMBINATIONS		TAPE DRIVE				HOST		
Host	Tape Drive	Maximum Number	Interface Type	Cable Sent with Tape Drive		Host Interface	Host Requirements	Notes
3000 Series 37	7974A/AR†	2	HP-IB	HP-IB	2 m	30459A	MPE V/E T-MIT When combining with 7978A/B, 2 units max total	Shipped with 1 HP-IB load variable from 1-4 loads 1 m internal cable.
	7978B/BR	2	HP-IB	HP-IB	2 m	30459A	MPE V/E T-MIT When combining with 7974A, 2 units max total	Shipped with 1 HP-IB load variable from 1-4 loads 0 m internal cable.
	35401A	2	HP-IB* CS80	HP-IB	1 m	30459A	MPE V/E U-MIT* UB-delta-1 with Patch U000	Sequential mode only.* Not supported as primary backup device above 536 Mbytes.
	9144A/AR†	2	HP-IB CS80	HP-IB cable supplied when ordering 32449. HP-IB cable not supplied when ordering 32450 (37XE)		30459A	MPE V/E T-MIT	When combining with 35401A, max 2 units per system.
3000 Micro 3000	7979A	2	HP-IB	HP-IB	2 m	30459A	MPE V/E UP-delta-3	Shipped with 1 HP-IB load variable from 1-4 loads 1 m internal cable.
	7980A	2	HP-IB	HP-IB	2 m	30459A	MPE V/E UB-delta-3	Shipped with 1 HP-IB load variable from 1-4 loads 0 m internal cable.
	35401A	4*	HP-IB* CS80	HP-IB	2 m	System Intregrated HP-IB	MPE V/E* UB-delta-1 with Patch U000	Sequential mode only.* Not supported as primary backup device above 536 Mbytes.
	9144A/AR†	4*	HP-IB CS80	HP-IB cable supplied when ordering 32449. HP-IB cable not supplied when ordering 32450 (37XE)		System Intregrated HP-IB	MPE V/E* UB-delta-1 T-MIT	When combining with 35401A max 2 units per system

* 9144A on Series 37 — Backup limit set to 132 Mbytes with 1/2 Mbyte of main memory and 220 Mbytes with 1, 2, or 4 Mbyte of main memory.

† AR versions are available as remarketed products from FRD.

COMBINATIONS		TAPE DRIVE				HOST		
Host	Tape Drive	Maximum Number	Interface Type	Cable Sent with Tape Drive		Host Interface	Host Requirements	Notes
HP 3000 Micro 3000XE	7974A/AR*	4	HP-IB	HP-IB	2 m	30459A	MPE V/E UB delta-1	Shipped with 1 HP-IB load variable from 1-4 loads 1 m internal cable.
	7978B/BR	4	HP-IB	HP-IB	2 m	30459A	MPE V/E UB delta-1	Shipped with 1 HP-IB load variable from 1-4 loads 0 m internal cable.
	35401A	2	HP-IB	HP-IB	1 m	30459A	MPE V/E* UB delta-1 with Patch U000	Sequential mode only.* Not supported as primary backup device above 536 Mbytes.
	9144A/AR*	4*	HP-IB* CS80	HP-IB cable supplied when ordering 32449. HP-IB cable not supplied when ordering 32450 (37XE)		30459A	MPE V/E* T-MIT	When combining with 35401A,* max 4 units per system.
	7979A	4	HP-IB	HP-IB	2 m	30459A	MPE V/E UB delta-3	Shipped with 1 HP-IB load variable from 1-4 loads 1 m internal cable.
	7980A	4	HP-IB	HP-IB	2 m	30459A	MPE V/E UB delta-3	Shipped with 1 HP-IB load variable from 1-4 loads 1 m internal cable.

* AR versions are available as remarketed products from FRD.

COMBINATIONS		TAPE DRIVE				HOST		
Host	Tape Drive	Maximum Number	Interface Type	Cable Sent with Tape Drive		Host Interface	Host Requirements	Notes
3000 Series 39/40/42	7974A/AR*	4	HP-IB	HP-IB	2 m	30079A	MPE IV Q Delta 2 plus site specific patch tape or MPE V/E or MPE V/P plus directory fix. High speed device — does not require dedicated GIC	Shipped with 1 HP-IB load variable from 1-3 loads 1 m internal cable
	7978B/BR	4	HP-IB	HP-IB	2 m	30079A	MPE V/P Delta 1 (or later) or MPE V/E (7978A) or MPE V/E T-MIT or later (7978B). High speed device — does not require dedicated GIC	Shipped with 1 HP-IB load variable from 1-3 loads 0 m internal cable
	Combining 797X	4 total						
	9144A/AR*	4	HP-IB CS80	No cable provided with tape drive. Must be ordered separately.		30079A	MPE V/E T-MIT required on 40/42, cold load with CPSE microcode only.	When combining with 35401A, max 4 units per system.
	35401A	2	HP-IB* CS80	HP-IB	1 m	30079A	MPE V/E UB delta-1 with Patch U000	Sequential mode only. Not supported as primary backup device above 536 Mbytes.*
	7979A	4	HP-IB	HP-IB	2 m	30079A	MPE V/E UB delta-3	Shipped with 1 HP-IB load variable from 1-4 loads 1 m internal cable
	7980A	4	HP-IB	HP-IB	2 m	30079A	MPE V/E UB delta-3	Shipped with 1 HP-IB load variable from 1-4 loads 1 m internal cable

See Appendix A for option numbers and cabinet styles.

* AR versions are available as remarketed products from FRD.

Tape Drives _____ Commercial Systems

COMBINATIONS		TAPE DRIVE				HOST		
Host	Tape Drive	Maximum Number	Interface Type	Cable Sent with Tape Drive		System Interface	Host Requirements	Notes
3000 Series 44/48 58 64/68/70	7974A/AR‡	4	HP-IB	HP-IB	2 m	30079A	MPE IV Q Delta 2 plus site specific patch or MPE V/E or MPE V/P plus directory fix. For use as system cold load device, see note below.* High speed device — does not require dedicated GIC	Shipped with 1 HP-IB load variable from 1-3 loads 1 m internal cable
	7978B/BR	4	HP-IB	HP-IB	2 m	30079A	MPE V/P Delta 1 (or later) or MPE V/E (7978A) V/E T-MIT or later (7978B) For use as system cold load device, see note below.* High speed device — does not require dedicated GIC	Shipped with 1 HP-IB load variable from 1-3 loads 0 m internal cable
	Combining 797X	8 total						
	9144A/AR‡	4	HP-IB CS80	No cable provided with tape drive. Must be ordered separately.		30079A	MPE V/E T-MIT required	See notes below* When combining with 35401A, 4 units max total per system.
	35401A	2 4 on 68 and 70	HP-IB* CS80	HP-IB	1 m	30079A	MPE V/E UB delta-1 with Patch U000*	See notes 1 thru 6 †
	7979A	4	HP-IB	HP-IB	2 m	30079A	MPE V/E UB delta-3	Shipped with 1 HP-IB load variable from 1-4 loads 1 m internal cable
	7980A	4	HP-IB	HP-IB	2 m	30079A	MPE V/E UB delta-3	Shipped with 1 HP-IB load variable from 1-4 loads 1 m internal cable

* Does not require a dedicated GIC. Not supported as a cold load device on 44/48. Cannot be placed on same GIC as system disc (64/68 only).

‡ AR versions available as remarketed products from FRD.

† 1. Sequential mode only.

2. Does not require a dedicated GIC.

3. Not supported as primary backup device above 536 Mbytes.*

4. Not supported as a cold load device on 64/68/70.

5. Cannot be placed on same GIC as system disc on 64/68/70.

6. 4 units max per system when combining with 9144A.*

COMBINATIONS		TAPE DRIVE			HOST		
Host	Tape Drive	Maximum Number	Interface Type	Cable Sent with Tape Drive	System Interface	Host Requirements	Notes
3000 Series III/IIIR	7970B 7970BR †	8	Parallel Differential	Initial Drive: 30215A 20 ft Add-on: Multi-unit 20 ft	30215A	Maximum 4 drives per Interface Controller	There are no 7970B slaves
	7970E 7970ER †	8	Parallel Differential	Initial Drive: 30215A 20 ft Add-on: Multi-unit 20 ft Slave: Multi-unit 20 ft	30215A	Maximum 4 drives per Interface Controller	Each master can control up to 3 slaves
	7976A 7976AR *	1	HP-IB	HP-IB 2 m	30341A & 30079A (GIC)	Requires 30341A Starfish Interface	Must have 7970B/E for CPU diagnostics & memory dump facility
	Combining 797X	9 total					
3000 Series 30/30R 33/33R	7970E 7970ER †	4	HP-IB	Master: HP-IB 6 m 19 ft Slave: Multi-unit 20 ft	30079A	Maximum requires dedicated GIC	Maximum configuration equals one master with three slaves
	7976A 7976AR *	1	HP-IB	HP-IB 2 m	30079A	There are no 7976A slaves	Shipped with 2 HP-IB loads variable from 1-4 loads 2 m internal cable
	Combining 797X	4 total					
3000 Series 37	7978A	2	HP-IB	HP-IB 2 m	30459A	MPE V/E T-MIT When combining with 7974A, 2 units max total	Shipped with 1 HP-IB load variable from 1-4 loads 0 m internal cable
3000 Micro 3000	7978A	2	HP-IB	HP-IB 2 m	System Integrated HP-IB	MPE V/E UB-delta-1	Shipped with 1 HP-IB load variable from 1-4 loads 0 m internal cable

* 7976A/AR is no longer in production. Five-year support life ends 8-1-90.

† 7970B/E product discontinuance announced. End of production 11-1-86. BR, ER versions are available as remarketed products from FRD.

Discontinued Tape Drives _____ Commercial Systems

COMBINATIONS		TAPE DRIVE				HOST		
Host	Tape Drive	Maximum Number	Interface Type	Cable Sent with Tape Drive		System Interface	Host Requirements	Notes
3000 Micro 3000 XE	7978A	4	HP-IB	HP-IB	2 m	30459A	MPE V/E UB-delta-1	Shipped with 1 HP-IB load variable from 1-4 loads 0 m internal cable.
3000 Series 39/40/42	7970E/ER*‡	4	HP-IB	Master: HP-IB 6 m Slave: Multi-unit	19 ft 20 ft	30079A	Master requires dedicated GIC	Maximum configuration equals one master with three slaves
	7976A/AR†‡	2	HP-IB	HP-IB	2 m	30079A	There are no 7976A slaves	Shipped with 2 HP-IB loads variable from 1-4 loads 2 m internal cable
	7978A	4	HP-IB	HP-IB	2 m	30079A	MPE V/P-delta-1 (or later) or MPE V/E (7978A) or MPE V/E T-MIT or later (7978B). High speed device — does not require dedicated GIC	Shipped with 1 HP-IB load variable from 1-3 loads 0 m internal cable
3000 Series 44/48/58 64/68/70	7970E/ER*‡§	8	HP-IB	Master: HP-IB 6 m Slave: Multi-unit	19 ft 20 ft	30079A	Master requires dedicated GIC	Maximum configuration equals two masters with six slaves
	7976A/AR†‡	2	HP-IB	HP-IB	2 m	30079A	There are no 7976A slaves	Shipped with 2 HP-IB loads variable from 1-4 loads 2 m internal cable
	7978A§	4	HP-IB	HP-IB	2 m	30079A	MPE V/P-delta-1 (or later) or MPE V/E (7978A) or MPE V/E T-MIT or later (7978B). For use as system cold load device, see note below.‡ High speed device — does not require dedicated GIC	Shipped with 1 HP-IB load variable from 1-3 loads 0 m internal cable

* 7970E/ER product discontinuance announced. End of production 11/1/86.

† 7976A/AR are no longer in production. Five-year support life ends 8/1/90.

‡ AR, ER versions are available as remarketed products from FRD.

§ Series 64/68 systems shipped before March 1, 1984, require a DCU firmware upgrade (DCU ROM Revision 2403 or greater) to use a 7974A or 7978A as a cold load device. See Service Notes 32460A-12 and 32460B-7.

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
HP 250 HP 260	2601A*/AR‡	Std	RS-232-C	2601A Cable	ASI Board Std on HP 250 and optional on HP 260	Included with printer	Op Sys B.04 or greater	RS-232-C cable used for either local or modem connection†
	2602A*/AR‡	Std	RS-232-C	None	ASI Board Std on HP 250 and optional on HP 260	13242N/M	Op Sys B.05 or greater	RS-232-C cable used for either local or modem connection†
	2603A	Std	RS-232-C	None	ASI Board Std on HP 250 and optional on HP 260	13242N/M	Op Sys B.07 or greater	RS-232-C cable used for either local or modem connection
	2934A/AR‡	046	HP-IB	None	HP-IB Std on HP 250 and HP 260	10833A or B	Op Sys B.06 or greater	2235B/D and 2932A HP-IB not supported on HP 250/260 system
	2235A/B 2932A/AR‡ 2934A/AR‡	Std	RS-232-C	None	ASI Board Std on HP 250 and optional on HP 260	13242N/M	Op Sys B.06 or greater	For RFIG values with 2235A/B Type has to be 2225 or 268X
	2932A/AR‡ 2934A/AR‡	035	RS-422-A	None	ASI Board optional on HP 260	45114A Cable & RS-422-A Cabling	Op Sys B.06 or greater	RS-422-A I/F only supported on HP 260 system
	2235A/B	Std	RS-232-C	None	ASI Board Std on HP 250 and optional on HP 260	13242N/M	Op Sys B.08 or greater	2235B/D HP-IB not supported on HP250/260 systems. For RFIG values with 2235A/B Type has to be 2225 or 268X.
	2225D(X)	Std	RS-232-C	None	ASI Board Std on HP 250 and optional on HP 260	13242N/M	Op Sys B.07 or greater	—
	82905B*	Std	RS-232-C	None	ASI Board Std on HP 250 and optional on HP 260	8120-3258	Op Sys B.05 or greater	RS-232-C cable used for either local or modem connection†
HP 3000 All Series	2601A*	Std	RS-232-C Direct connect only	2601 Cable	ATC on Series III 3X: ADCC 4X/5X: ADCC or ATP 37, Micro, 6X: ATP	Comes with 2601A	2601A and 2602A must use modem-capable port on ATP	2601A and 2602A cannot operate spooled except with HPWord
	2602A*			None		Order 13242N		2601A and 2602A cannot operate under modem control (even on modem-capable ATP port)
* Products are discontinued. 2601A, 2602A, and 82905B shown for reference only.					† Not supported on HP 260 Series 30 and 40. ‡ AR versions are remarketed products available from FRD.			

Workstation Printers

Commercial Systems

HOST	PRINTER
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Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
HP 3000 Series 30 thru 68	2932A/AR† 2934A/AR†	Std	RS-232-C Direct Connect	None	ADCC (No ADCC on S/37 or S/68)	92219G	MPE IV or V	Spooled*
		Std	RS-232-C Direct Connect	None	ATP ATP or ATP/37 for Series 37 (3-pin connector)	13242X	MPE IV or V (MPE V/E) T-MIT-G01.00 Needed for Series 37)	Spooled*
		Std	RS-232-C Modem	None	ADCC (No ADCC on S/37 or S/68)	92219G	MPE IV or V	Spooled*
		035	RS-422-A Direct Connect	None	ATP (No RS-422-A on ATP/37) RS-422-A available on ATP/M	13242P	MPE IV or V	Spooled*
		034	MTS NTH Device (Daisy Chain)	Yes	MTS-Datalink Connection or MTS-Synchronous Modem Link	Highly Configuration Dependent	MTS & MPE V	2934A only Requires* MTS Version A.07.00 or A.57.00 or later
		039	MTS Data Link	Yes	MTS-Synchronous Modem Link	Highly Configuration Dependent	MTS & MPE V	2934A only Requires* MTS Version A.07.00 or A.57.00 or later
HP 3000 Series 37, 39, 4X, 5X, 6X, Micro 3000, 3000XE	2603A	Std	RS-232-C Direct Connect	None	ADCC or ATP (25-pin)	13242Y	Check 2603A Printer Owner's Manual for proper configuration	Spooled
		Std	RS-232-C Direct Connect Only	None	ATP (3-pin)	13242X	Check 2603A Printer Owner's Manual for proper configuration	Spooled
HP 3737XE Micro 3000, Micro 3000XE	2235A/C	Std	RS-232-C or RS-422-A Direct Connect	None	ATP	Series 3737XE T-delta-2 Micro 3000/3000XE UB-delta-1 TPCL22 or TTPCL26	Spooled	
HP 3000 Series 39 through 58	2235A/C	Std	RS-232-C or RS-422-A Direct Connect	None	ADCC or ATP	Series 39, 42, 42XP 48 and 58A = T-delta-2 Series 52, 58C, T delta's	Spooled	
HP 3000					ATP	Series 6X = T-delta-2 Series 70 = UA	Spooled	

* Printer graphics supported on HP 3000 only when printer is slaved to a graphics terminal — in this case the printer is no longer spooled.
† AR versions are remarketed products available from FRD.

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
HP 250	2563A Discontinued 2/87	049	RS-232-C	None	Asynchronous Interface (ASI Board)	13242M/N	B.06.01 Release or later of Operating System	
		200	HP-IB	10833B HP-IB 2 m	HP-IB Interface supplied as standard on Models 30, 40, 50	Supplied with Printer		
HP 250	2563B	049	RS-232-C	None	Asynchronous Interface (ASI Board)	13242M/N	B.08.00 Release or later of Operating System	
		200	HP-IB	10833B HP-IB 2 m	HP-IB Interface supplied as standard on Models 30, 40, 50	Supplied with Printer		
HP 250	LaserJet 2686A	None	RS-232-C	None	Asynchronous Interface (ASI Board)	13242M/N	B.07 Release of Operating System	
	LaserJet Plus 2686A	300						
	2686D	None						
HP 250	2687A Discontinued 3/86	251	RS-232-C	None	Asynchronous Interface	13242M/N	B.06.01 Release of Operating System	

System Printers _____ **Commercial Systems**

COMBINATIONS

Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes	
HP 260	2563A Discontinued 2/87	049	RS-232-C	None	Asynchronous Interface (ASI Board) Optional on HP 260	13242M/N	B.06.01 Release of Operating System		
		200	HP-IB	10833B HP-IB 2 m	HP-IB Interface	Supplied with Printer			
	2563B		049	RS-232-C	None	Asynchronous Interface (ASI Board) Optional on HP 260	13242M/N	B.08.00 Release of Operating System	
			200	HP-IB	10833B HP-IB 2 m	HP-IB Interface	Supplied with Printer		
HP 260	LaserJet 2686A	None	RS-232-C	None	Asynchronous Interface (ASI Board) Optional on HP 260	ASI 13242M/N	B.07 Release or later of Operating System	Asynchronous Interface Board (ASI Board) is ordered optionally on HP 260 Systems	
	LaserJet Plus 2686A	300							
HP 260	2687A Discontinued 3/86	251	RS-232-C	None	Asynchronous Interface (ASI Board) Optional on HP 260	ASI 13242M/N	B.06.01 Release or later of Operating System	Asynchronous Interface Board (ASI Board) is ordered optionally on HP 260 Systems	


HOST

PRINTER

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
HP 3000 Series III	2563A Discontinued 2/87	300	Parallel Differential	None	30209A	26006A Option 300		For cables in excess of 50 feet, contact SMC. Maximum length is 500 feet
HP 3000 Series III	2608S Discontinued 11/85	055	HP Multipoint	None	INP	See DSN/MTS Reference Manual P/N 32193-90002	MIT C.00.20 (CIPER) MTS Version A.05.00 or later	
HP 3000 Series II & III	2611A 2619A Discontinued 1/85	300	Parallel Differential	30209-60004 50 ft	30209A	Supplied with Printer		For cables in excess of 50 feet, contact SMC. Maximum length is 500 feet
HP 3000 Series III	2680A	300	HP-IB	8120-3449 HP-IB 8 m	30341A (Starfish) No longer available	Supplied with Printer	FOS MIT C.00.20 (CIPER)	
HP 3000 Series III	2687A Discontinued 3/86							Not Supported
HP 3000 Series III	2688A Discontinued 4/87							Not Supported
HP 3000 Series III	2565A 2566A Discontinued 5/86	300	Parallel Differential	None	30209A	26006A Option 300		For cables in excess of 50 feet, contact SMC. Maximum length is 500 feet

System Printers _____ **Commercial Systems**

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
HP 3000 Series 30 & 33	2563A Discontinued 2/87	333	HP-IB	10833C HP-IB 4 m	30079A GIC Available from CSY	Supplied with Printer	MPE IV-Q Delta 2	
HP 3000 Series 30 & 33	2608S Discontinued 11/85	333	HP-IB	10833C HP-IB 4 m	30079A GOC (High Speed) Available from CSY	Supplied with Printer	FOS MIT C.00.20 (CIPER) MTS Version A.05.00 or later	
		055	HP Multipoint	None	MTS Data Link Connection or MTS Synchronous Modem Link (INP)	See MTS Reference Manual P/N 32193-90002		
HP 3000 Series 30	2611A 2619A Discontinued 1/85	301	Parallel Differential	26069-60005 15 m	30079A GIC Available from CSY 26069 I/O included with Printer	Supplied with Printer		For cables in excess of 15 m, contact SMC. Maximum length is 500 feet
HP 3000 Series 33	2611A 2619A Discontinued 1/85	302	Parallel Differential	26069-60004 1 m in CPU 26069-60003 15 m	30079A GIC Available from CSY 26069 I/O included with Printer	Supplied with Printer		For cables in excess of 15 m, contact SMC. Maximum length is 500 feet
HP 3000 Series 30	2680A	301	HP-IB	8120-3449 8 m	30079A GIC Available from CSY	Supplied with Printer	FOS MIT C.00.20 (CIPER)	
HP 3000 Series 33	2680A	302	HP-IB	8120-3449 8 m	30079A GIC Available from CSY	Supplied with Printer	FOS MIT C.00.20 (CIPER)	
HP 3000 Series 30 & 33	2687A Discontinued 3/86							Not Supported
HP 3000 Series 30 & 33	2688A Discontinued 4/87							Not Supported

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
HP 3000 Series 37 Micro 3000 Micro 3000/XE	2563A* 2563B 2564B	337	HP-IB	10833C HP-IB 4 m	PIC	Supplied with Printer	T-MIT	
	2566B 2567B	337	HP-IB	10833C HP-IB 4 m	30459A PIC Available from CSY	Supplied with Printer	T-MIT	
	2680A	337	HP-IB	8120-3449 HP-IB 8 m	30459A PIC Available from CSY	Supplied with Printer	T-MIT	
	LaserJet 2686A	None	RS-232-C	None	ATP37	92218D (13242X)	T-MIT	
	LaserJet Plus 2686A	300						
	LaserJet 500 Plus 2686D	None						
	2687A Discontinued 3/86	340	RS-232-C	None	ATP37	Call Boise Division	T-MIT	
	2688A Discontinued 4/87	340	HP-IB	8120-3349 HP-IB 8 m	30459A PIC Available from CSY	Supplied with Printer	T-MIT	
2565A 2566A Discontinued 5/86	337	HP-IB	10833C HP-IB 4 m	30459A PIC Available from CSY	Supplied with Printer	MPE V/E		

* Discontinued 2/87 — Replaced by 2563B.

System Printers _____ **Commercial Systems**

COMBINATIONS		PRINTER					HOST	
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
HP 3000 Series 39/40/42/42XP	2563A/B†	049	RS-232-C	None	ATP†	92218D	MPE IV-Q delta 2	Direct connect when used with 2333A and MTS
	2564B	049	RS-232-C	None	ADCC	92219G	MPE IV-Q delta 2	
	2563A/B†	049	RS-232-C	None	MTS Data Link Connector or MTS Synchronous Modem Link	92219G	MTS A.07.00 or A.57.00	
	2563A/B†	340	HP-IB	HP-IB 4 m	30079A (High Speed) GIC	Supplied with printer	MPE IV-Q delta 2	Supported on 37204B and 37203A Opt 10 extenders up to 250 m — Must use MPE V/E Version G.A0.00 or later
	2563A/B†	055	MTS	None	INP	See DSN/MTS Reference Manual Part # 32193-90002	MPE V-P/E	The Multipoint I/F is supported on the 2563A and 2563B only
	2563A/B†	050	RS-422-A	None	ATP	13242P from CSO		
	2563A/B†	053	Centronics					NOT SUPPORTED ON HP SYSTEMS — CALL SMC FOR MORE INFORMATION MAX DISTANCE 10 FT.
	2566B	340	HP-IB	HP-IB 4 m	10833C	30079A (High Speed) GIC (available from CSY)	Supplied with printer	Supported on 37204B and 37203A Opt 10 extenders up to 250 m — Must use MPE V/E Version G.A0.00 or later
	2567B	340	HP-IB	HP-IB 4 m	10833C	30079A (High Speed) GIC (available from CSY)	Supplied with printer	Supported on 37204B and 37203A Opt 10 extenders up to 250 m — Must use MPE V/E Version G.A0.00 or later
	2608S	340	HP-IB	HP-IB 4 m	10833C	30079A (High Speed) GIC (available from CSY)	Supplied with printer	Series 39/40 = MPE IV C.00.20 (CIPER) or later Series 42 = MPE-V MTS Version A.05.00 or later (Opt 055 only)
2688A	055	HP Multipoint	None	None	MTS Data Link Connector or MTS Synchronous Modem Link	See DSN/MTS Reference Manual Part # 32193-90002		
2680A	340	HP-IB	HP-IB 8 m	8120-3449	30079A (High Speed) GIC (available from CSY)	Supplied with printer	FOS MIT C.00.20 (CIPER)	Supported on 37204B and 37203A Opt 10 extenders up to 250 m — Must use MPE V/E Version G.A0.00 or later
LaserJet	None							
LaserJet Plus	300							
LaserJet 500 Plus	None							
2686A	340	RS-232-C	RS-422-A	None	ADCC†	13242N for ADCC 40242P for ATP RS-422-A	T-MIT	Supported as a print and space device only. HPWord support with HPWord V only. 2334A is supported
2687A	340	RS-232-C	RS-232-C	None	ADCC†	92219G (required) 30062-60018 (opt cables) via CSO	MPE IV-Q delta 2 or later	Supported data rates: ADCC = up to 9600 bps. RS-232-C = 50 ft. 2334A is supported
2688A	340	HP-IB	HP-IB	8120-3349	30079A (High Speed) GIC (available from CSY)	Supplied with printer	MPE IV-Q delta 2 or later	Supported on 37204B and 37203A Opt 10 extenders up to 250 m
2565A	340	HP-IB	HP-IB	10833C	30079A (High Speed) GIC (available from CSV)	Supplied with printer	MPE IV C.01.02 or later	Supported on 37203A Opt 10 MPE V/E Version G.A0.00 or later

† May connect through ATP when using ATP expansion package (30273A or 30274A) or direct connect ATP P/N 30145A.

‡ ADCC supports RS-232-C only. † 2563A Discontinued 2/87 — Replaced by 2563B.

COMBINATIONS		PRINTER			HOST				
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes	
HP 3000 Series 44/48	2563A/B‡	049	RS-232-C	None	ATP*	92218D	MPE IV-Q delta 2	Direct connect when used with 2333A and MTS	
	2564B				ADCC	92219G	MPE IV-Q delta 2		
	2563A/B‡	049	RS-232-C	None	MTS Data Link Connector or MTS Synchronous Modem Link	92219G	MTS A.07.00 or A.57.00		
	2563A/B‡ 2564B	344	HP-IB	10833C HP-IB 4 m	30079A (High Speed) GIC (available from CSY)	Supplied with printer	MPE IV-Q delta 2	Supported on 37204B and 37203A Opt 10 extenders up to 250 m — Must use MPE V/E Version G.A0.00 or later	
	2563A/B‡	055	MTS	None	INP	See DSN/MTS Reference Manual Part # 32193-90002	MPE V-P/E and MTS Version A.07.00 or A.57.00	The Multipoint I/F is supported on the 2563A and 2563B only	
	2563A/B‡ 2564B	050	RS-422-A	None	ATP*	13242P§			
	2563A/B‡ 2564B	053	Centronics	NOT SUPPORTED ON HP SYSTEMS — CALL SMC FOR MORE INFORMATION MAX DISTANCE 10 FT.					
	2566B 2567B	344	HP-IB	10833C HP-IB 4 m	30079A (High Speed) GIC (available from CSY)	Supplied with printer	MPE IV C.01.02 or later	Supported on 37204B and 37203A Opt 10 extenders up to 250 m — Must use MPE V/E Version G.A0.00 or later	
	2608S Discontinued 11/85	344	HP-IB	10833C HP-IB 4 m	30079A (High Speed) GIC (available from CSY)	Supplied with printer	Series 39/40 = MPE IV C.00.20 (CIPER) or later		
		055	HP Multipoint	None	MTS Data Link Connector or MTS Synchronous Modem Link	See DSN/MTS Reference Manual Part # 32193-90002	Series 42 = MPE-V MTS Version A.05.00 or later (Opt 055 only)		
	2680A	344	HP-IB	8120-3449 HP-IB 8 m	30079A (High Speed) GIC (available from CSY)	Supplied with printer	Series 39/40 = MPE IV C.00.20 (CIPER) or later Series 42 = MPE-V	Supported on 37204B and 37203A Opt 10 extenders up to 250 m — Must use MPE V/E Version G.A0.00 or later	
	LaserJet 2686A	None	RS-232-C RS-422-A	None	ADCC† ATP Direct Connect*	13242N for ADCC 13242X for ATP 40242P for RS-422-A	T-MIT	Supported as a print and space device only. HPWord support with HPWord V only. 2334A is supported	
	LaserJet Plus 2686A	300							
	LaserJet 500 Plus 2686D	None							
	2687A Discontinued 3/86	344	RS-232-C	None	ADCC† ATP Direct Connect*	92219G (required) 30062-60018 (opt extension) Order cables via CSO	MPE IV-Q delta 2 or later	Supported data rates: ADCC = up to 9600 bps. Supported cable lengths up to: RS-232-C = 50 ft 2334A is supported	
2688A Discontinued 4/87	344	HP-IB	8120-3349 HP-IB 8 m	30079A (High Speed) GIC (available from CSY)	Supplied with printer	MPE IV-Q delta 2	Supported on 37204B and 37203A Opt 10 extenders up to 250 m		
2565A 2566A Discontinued 5/86	344	HP-IB	10833C HP-IB 4 m	30079A (High Speed) GIC (available from CSV)	Supplied with printer	MPE IV C.01.02 or later	Supported on 37203A Opt 10 extenders up to 250 m — Must use MPE V/E Version G.A0.00 or later		

* May connect through ATP when using ATP expansion package (30273A or 30274A) or direct connect ATP P/N 30145A.

† ADCC supports RS-232-C only.

‡ 2563A Discontinued 2/87 — Replaced by 2563B.

§ Required 30154-60001, Opt ext.

System Printers _____ **Commercial Systems**

COMBINATIONS		PRINTER					HOST	
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
	2563A/B†	049	RS-232-C	None	ATP*	92218D	MPE IV-Q delta 2	
	2564B				ADCC	92219G	MPE IV-Q delta 2	
	2563A/B†	049	RS-232-C	None	MTS Data Link Connector or MTS Synchronous Modem Link	92219G	MTS A.07.00 or A.57.00	Direct connect when used with 2333A and MTS
	2563A/B†	344	HP-IB	10833C	30079A (High Speed) GIC (available from CSY)	Supplied with printer		Supported on 37204B and 37203A Opt 10 extenders up to 250 m — Must use MPE V/E Version G.A0.00 or later
	2563A/B†	055	MTS	None	INP	See DSN/MTS Reference Manual Part # 32193-90002	MPE V-P/E and MTS Version A.07.00 or A.57.00	The Multipoint I/F is supported on the 2563A and 2563B only
	2563A/B†	050	RS-422-A	None	ATP*	30154A from CSO		
	2563A/B†	053	Centronics					NOT SUPPORTED ON HP SYSTEMS — CALL SMC FOR MORE INFORMATION MAX DISTANCE 10 FT.
	2566B	344	HP-IB	10833C	30079A (High Speed) GIC (available from CSY)	Supplied with printer	T-MIT or later	Supported on 37204B and 37203A Opt 10 extenders up to 250 m — Must use MPE V/E Version G.A0.00 or later
	2680A	344	HP-IB	8120-3449	30079A (High Speed) GIC (available from CSY)	Supplied with printer	T-MIT or later	Supported on 37204B and 37203A Opt 10 extenders up to 250 m — Must use MPE V/E Version G.A0.00 or later
HP 3000 Series 58	LaserJet	None						
	LaserJet Plus	300						
	LaserJet 500 Plus	None	RS-232-C	None	ATP* ADCC†	13242N for ADCC 13242X for ATP 40242P for RS-422-A	T-MIT or later	Supported as a print and space device only. HPWord support with 2334A is supported
	LaserJet Series II	None						
	2687A	344	RS-232-C	None	ATP* ADCC†	92218D (required) via CSO Order cables (required) via CSO	T-MIT or later	Supported data rates: ATP = up to 19.2 Kbps. 2334A also supported
	Discontinued 3/86	364 & 001	RS-422-A	None	ATP*	92216C (required) via CSO 30154-60001 (opt extension)		Supported cable lengths up to: RS-232-C = 50 ft RS-422-A = 4000 ft
	2688A	344	HP-IB	8120-3349	30079A (High Speed) GIC (available from CSY)	Supplied with printer	T-MIT or later	Supported on 37204B and 37203A Opt 10 extenders up to 250 m — Must use MPE V/E Version G.A0.00 or later
	2565A	344	HP-IB	10833C	30079A (High Speed) GIC (available from CSY)	Supplied with printer	T-MIT or later	Supported on 37203A Opt 10 extenders up to 250 m — Must use MPE V/E Version G.A0.00 or later

* May connect through ATP when using ATP expansion package (30273A or 30274A) or direct connect ATP P/N 30145A.

† ADCC supports RS-232-C only.

‡ 2563A Discontinued 2/87 — Replaced by 2563B.

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
HP 9000 Series 500	2563A/B 2564B 2566B	290	HP-IB	10833C HP-IB 4 m	27110A (HP-IB card)	Supplied with printer	BASIC 1.02 or HP-UX 2.0	27110A not included with Opt 290
	2565A Discontinued 5/86	200	HP-IB	10833C HP-IB 4 m	27110A	Supplied with printer	BASIC 2.0 or HP-UX 4.0	
	2566A Discontinued 5/86	200	HP-IB	10833C HP-IB 4 m	27110A	Supplied with printer	BASIC 1.02 or HP-UX 2.0	
	2563B 2564B 2566B	200	HP-IB	10833C HP-IB 4 m	27110A	Supplied with printer	BASIC 1.02 or HP-UX 2.0	
	2566A Discontinued 5/86	290	HP-IB	10833C HP-IB 4 m	27110A	Supplied with printer	BASIC 2.0 or HP-UX 4.0	
	2608S Discontinued 11/85	290	HP-IB SRM	10833C HP-IB 4 m	27110A	Supplied with printer	BASIC 1.02 or HP-UX 2.0	Models 550 and 560 do not support
	LaserJet 2686A	Std	RS-232-C	None	27128A	13242N for Std or 17255D for 001	HP-UX 4.0	BASIC does not support 2686A
	LaserJet PLUS 2686A	300			27130B	13242N		
	LaserJet 500 PLUS 2686D	Std			27140A	17255D for DTE		
	2688A Discontinued 4/87	850	HP-IB	8120-3349 HP-IB 8 m	27110A	Supplied with printer	BASIC 2.0 or HP-UX 4.0	Supported only on Models 550 and 560

System Printers _____ Commercial Systems

COMBINATIONS		PRINTER			HOST				
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes	
HP 3000 Series 64/68/70	2563A/B*	049	RS-232-C	None	ATP	92218D	MPE IV-Q delta 2	Direct connect when used with 2333A	
	2564B				ADCC	92219G			
	2563A/B*	049	RS-232-C	None	INP	92219G	MTS A.07.00 or A.57.00		
	2563A/B* 2564B	364	HP-IB	10833C HP-IB 4 m	30079A (High Speed) GIC (available from CSY)	Supplied with printer		Supported on 37204B and 37203A Opt 10 extenders up to 250 m — Must use MPE V/E Version G.A0.00 or later	
	2563/B*	055	MTS	None	INP	See DSN/MTS Reference Manual Part # 32193-90002	MPE V-P/E and MTS Version A.07.00 or A.57.00	The Multipoint I/F is supported on the 2563A and 2563B only	
	2563A/B* 2564B	050	RS-422-A	None	ATP	30154A from CSO			
		053	Centronics	NOT SUPPORTED ON HP SYSTEMS — CALL SMC FOR MORE INFORMATION MAX DISTANCE 10 FT.					
	2566B 2567B	364	HP-IB	10833C HP-IB 4 m	30079A (High Speed) GIC (available from CSY)	Supplied with printer	MPE IV C.01.02 or later	Supported on 37204B and 37203A Opt 10 extenders up to 250 m — Must use MPE V/E Version G.A0.00 or later	
	2608S Discontinued 11/85	364	HP-IB	10833C HP-IB 4 m	30079A (High Speed) GIC (available from CSY)	Supplied with printer	Series 64 = MPE IV C.00.20 (CIPER) or later		
		055	HP Multipoint	None	MTS Data Link Connector or MTS Synchronous Modem Link (INP)	See DSN/MTS Reference Manual Part # 32193-90002	Series 68 = MPE-V MTS Version A.05.00 or later (Opt 055 only)		
	2680A	364	HP-IB	8120-3449 HP-IB 8 m	30079A (High Speed) GIC (available from CSY)	Supplied with printer	FOS MIT C.00.20 (CIPER)	Supported on 37204B and 37203A Opt 10 extenders up to 250 m — Must use MPE V/E Version G.A0.00 or later	
	LaserJet 2686A	None	RS-232-C RS-422-A	None	ATP		RS-232-C 13242X (3 Pen) 13242N (25 Pen) RS-422-A 40242P (5 Pen)	T-MIT	Supported as a print and space device only. HPWord support with HPWord only. 2334A is supported
	LaserJet PLUS 2686A	300							
	LaserJet 500 PLUS 2686D	None							
	2687A Discontinued 3/86	364	RS-232-C	None	ATP	92218D (required) Order cables via CSO	MPE-IV C.01.02 or later	Supported data rates: ATP = up to 19.2 Kbps 2334A also supported Supported cable lengths up to: RS-232-C = 50 ft RS-422-A = 4000 ft	
		364 & 001	RS-422-A	None	ATP	92216C (required) via CSO 30154-60001 (opt extension)			
	2688A Discontinued 4/87	364	HP-IB	8120-3349 HP-IB 8 m	30079A (High Speed) GIC (available from CSY)	Supplied with printer	MPE-IV Q delta 2	Supported on 37204B and 37203A Opt 10 extenders up to 250 m — Must use MPE V/E Version G.A0.00 or later	
2565A, 2566A Discontinued 5/86	364	HP-IB	10833C HP-IB 4 m	30079A (High Speed) GIC (available from CSY)	Supplied with printer	MPE IV C.01.02 or later	Supported on 37203A Opt 10 extenders up to 250 m — Must use MPE V/E Version G.A0.00 or later		

* 2563A Discontinued 2/87 — Replaced by 2563B.

COMBINATIONS		PLOTTERS		HOST				
Host	Plotters	Interface Type	Cable Sent with Plotter	Interface Required on Host	Cable Required	Host Requirements	Graphics Software	Notes
HP 250	7440A Opt 001 7470AR* 7475AR* 7470A Opt 001†§ 7475A Opt 001† 7550A†	RS-232-C	None	ASI	Order cable with plotter 74XX: 13242M/N 7550A: 30062C	7440A: HP 250 Op Sys Standard (Rev B.08)	DSG/250 Slide/250 GPL/250	Direct Mode only: (No Eavesdrop) DSG/250 & Slide/250 menu-driven graphics. GPL/250 consists of user-callable subroutines requiring programming ability.
HP 260	7440A Opt 001 7470AR*‡ 7475AR* 7470A Opt 001§ 7475A Opt 001 7550A	RS-232-C	None	ASI	Order cable with plotter 74XX: 13242M/N 7550A: 30062C	HP 260 Op Sys Standard 7440A: Rev B.08 7475, 7550: Rev. B.07 or later	DSG/260 Slide/260 GPL/260	Direct Mode only: (No Eavesdrop) DSG/260 & Slide/260 menu-driven graphics. GPL/260 consists of user-callable subroutines requiring programming ability.

* AR, BR versions are remarketed products from FRD.
† 7470, 7475, 7550 have no known interface problems, but they have never been tested.
‡ 7470 supported only on HP 260 SPU 45216D, not on HP 260 Series 30 and 40.
§ 7470A was discontinued Feb. 1, 1987.

COMBINATIONS		PLOTTERS		HOST				
Host	Plotters	Interface Type	Cable Sent with Plotter	Interface Required on Host	Cable Required	Host Requirements	Graphics Software	Notes
HP 3000‡ Series I/II/III 3X 4X 5X 6X	7440A Opt 001 7470A Opt 001† & Opt 300 7470AR* 7475AR* 7475A Opt 001 7510A 7550A 7570A 7580B Opt 053‡ 7585B Opt 053‡ 7586B Opt 053‡ 7580BR* 7585BR* 7595A 7596A	RS-232-C Direct to plotter RS-422-A Direct to 7510A, 7550A 7595A, 7596A only (ATP only)	3 m Male-Male cable 17355M standard with 758X plotters	I/II/III: ATC 3X: ADCC 4X/5X: ADCC or ATP 37/6X 170: ATP Micro 3000/XE: ATP/M	Direct: ATC & ADCC: 74XX, 7510A, 7570A, 759X: 17355M 7550A: 17355D 758X: Provided ATP: RS-232-C: 74XX, 7570, 759X: 30152A & 17355M 758X: 30152A & provided cable 7510A, 7550A: 30152A; RS-422-A: 7510A, 7550A: 17855A 759X: 17855M	MPE Q delta II or later	HPDraw (A.04.00) DSG/3000 (A.05.00) HPMap, (A.02.00) HPEasyChart (A.04.00) HP GraphCurator (A.02.00) User callable subroutines: ISPP Rev C (HP 17580C)	For Direct Mode must use LDEV # 17440A Graphics Enhancement Cartridge required for 7440A support on HPDraw and DSG
	7470AR* 7470A Opt 001† & Opt 300 7475AR* 7475A Opt 001 7510A 7550A 7570A 7580B Opt 053‡ 7585B Opt 053‡ 7586B Opt 053‡ 7580BR* 7585BR* 7595A 7596A	RS-232-C Eavesdrop	3 m Male-Male Cable 17355M standard with 758X plotters	I/II/III: ATC 3X: ADCC 4X/5X: ADCC or ATP 37/6X 170: ATP Micro 3000/XE: ATP/M	Eavesdrop: ATC & ADCC: 747X, 7570: 17355D & 17455A 7510A, 7550A: 17355D 758X: Provided 759X: 17355M ATP: 747X, 7570: 30152A & 17455A 7510A, 7550A: 30152A 758X: 30152A & provided cable 759X: 30152 & 17355M	MPE T delta II or later 7570A, 7595A, 7596A: UB delta II or later	HPDraw (A.04.00) DSG/3000 (A.05.00) HPMap, (A.02.00) HPEasyChart (A.04.00) HP GraphCurator (A.02.00) User callable subroutines: ISPP Rev C (HP 17580C)	For Eavesdrop Mode must also order required terminal cable

* AR, BR versions are remarketed products from FRD.

‡ 758XB series was discontinued 10-1-87.

† 7470A was discontinued 2-1-87.

COMBINATIONS		PLOTTERS		HOST				
Host	Plotters	Interface Type	Cable Sent with Plotter	Interface Required on Host	Cable Required	Host Requirements	Graphics Software	Notes
HP 3000‡ Series I/II/III 3X 4X 5X 6X	7440A Opt 002 7470A Opt 002† 7475A Opt 002 7510A 7550A 7570A 7580B Opt 053§ 7585B Opt 053§ 7586B Opt 053§ 7580BR* 7585BR* 7595A 7596A	HP-IB (Slaved from terminals: HP 150 with Rev B firmware, 2625A/2628A to plotter)	None	HP 3000 Interface: I/II/III: ATC 3X: ADCC 4X/5X: ADCC or ATP 37/6X: ATP Terminal HP-IB Interface: 2625A: Opt 523 & 026 2628A: Opt 523 & 046	For RS-232-C to HP 3000: Order required terminal cable For HP-IB plot- ter to terminal: Order cable 10833A/B/C/D (included with 2647F/48A only)	MPE Q delta II or later	HPDraw (A.04.00) DSG/3000 (A.05.00) HPMap, (A.02.00) HPEasyChart (A.04.00) HP GraphCurator (A.02.00) User callable subroutines: ISPP Rev C (HP 17580C)	HP 3000 Business Graphics only supports HP-IB plotters when plotter slaved off specified terminal. Plotter performance is degraded in this configuration.

* AR, BR versions are remarketed products from FRD.

† 7470A was discontinued 2-1-87.

‡ HPDraw supported terminals: 2623A/27A, HP 150 (HP-IB requires Rev B firmware), 2625A/28A Opt 523. DSG/EZChart/Map supported terminals: 2382A/92A, 262X except 2621, HP 150 (Rev B firmware required). See terminals section for required terminal cable.

§ 758XB series was discontinued 10-1-87.

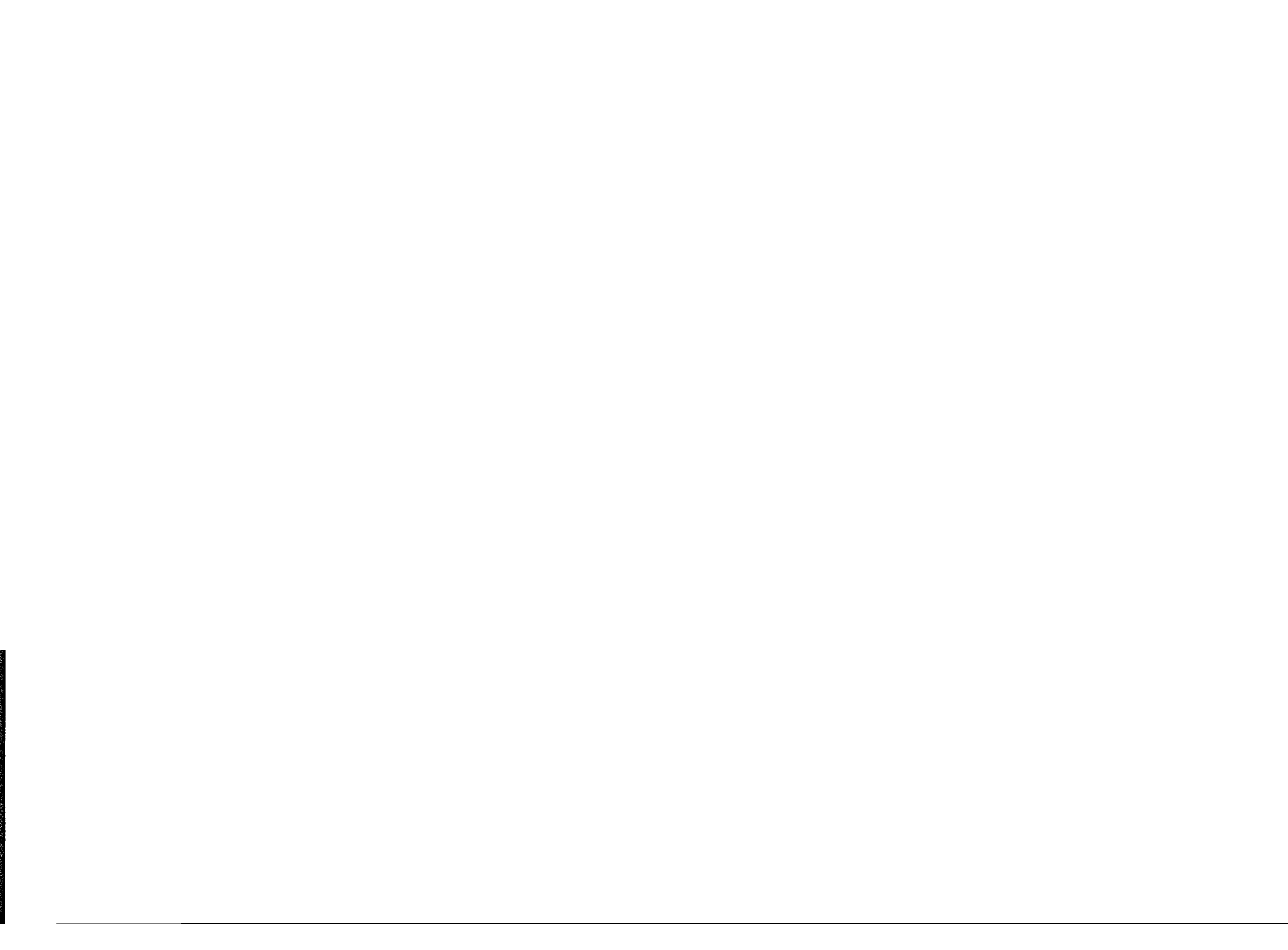
Plotters _____ Commercial Systems

COMBINATIONS		TABLET		HOST				
Host	Graphics Tablet	Interface Type	Cable Sent with Tablet	Interface Required on Host	Cable Required	Host Requirements	Tablet Software	Notes
HP 3000 Series III 3X, 4X, 5X, 6X with 2680	9111A* with 2647F or 2648A Terminal	HP-IB from terminal to tablet RS-232-C from terminal to HP 3000	None	HP 3000 Interface III — ATC 3X — ADCC 4X/5X — ADCC or ATP 6X — ATP Terminal HP-IB (13296A) required for 2648A, standard with 2647F.	For RS-232-C to HP 3000: 13232N or equivalent. For HP-IB to terminal: one cable std with interface. Order extra as needed.	FOS MIT Q delta II	IDS/3000 IDSChar supports tablet for custom character design	Tablet only needed when nonstandard characters are required See 2680 for more details

* 9111A Tablet was discontinued Dec. 1, 1986.

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirement	Notes
Mainframe	2685B	The 2685 uses an HP Micro 3000 or Micro 3000/XE as a controller. Call SMC for information for details of this configuration.						
IBM 303X IBM 43XX IBM 30XX or IBM Plug Compatible	2689A	Std	Direct Channel connect to Byte or Block Multiplexer	8120-3449 HP-IB 8 m	Byte or Block Multiplexer	IBM Channel Cables HP P/N 26032A (Must order two) Power Control Cable HP P/N 26033A	Call SMC for more information All IBM operating systems are supported except SVS and DOS/VS	Paradyne modems (PIXNET) and selected IBM channel extenders will be supported. Contact SMC for more information.

System Printers _____ **Non-HP Commercial Systems**



Peripherals Configuration Guide

color graphics printers						
workstation printers						
LaserJet printers						
plotters						

700/XX Terminals

239X Terminals

262X Terminals

264X Terminals

2700 Terminals

TERMINALS

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
2392A 2393A 2394A	PaintJet 3630A	004	Centronics	None	Opt. 093 or HP 40210P	40242D		2397A needs firmware version date coded 2721 to get color dumps on PaintJet.
2392A 2393A 2394A 2397A 2622A 2623A 2624B 2626A 2627A 2628A 700/92 700/94	PaintJet 3630A	001	RS-232-C	None	239X Requires Opt. 092 or HP 40210R 2622A Requires Special Opt. P03 All others use Port 2	239X and 700/XX use 40242G All others use 13242G		2627A color dumps do not print in color on PaintJet 2397A needs firmware version date coded 2721 to get color dumps on PaintJet
2397A 2393A 2625A 2628A	PaintJet 3630A	002	HP-IB	None	2397A — Opt 046 2393A — Opt 046 2625A — Opt 026 2628A — Opt 046	45529A or 10833 A, B, C, or D	For 2625A/2628A Opt 523 also required	2397A needs firmware version date coded 2721 to get color dumps on PaintJet

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
2392A 2393A 2394A 2397A	2225C 2227A 2228A	Std	Centronics	None	Opt 093 or HP 40210P	40242D		
	2671A* 2671G* 2673A*	042						
	2932A 2934A	042		5061-4001 Adapter				
2392A 2393A 2394A 2397A 2622A 2623A 2624B 2626A 2627A 2628A 700/92 700/94	2225D 2227A 2228A 2235A	Std	RS-232-C	None	239X Requires Opt 092 or HP 40210R 2622A Requires Special Opt P03 All others use Port 2	239X and 700/XX use 40242G All others use 13242G		
	2601A*/AR†	242		13242G				
	2602A* 2603A	Std		None				
	2671A* 2671G* 2673A*	040						
	2932A/AR† 2934A/AR†	Std						
	82905B*	140 240 340 440						
	2686A/AR†	Std						
	2687A/AR†	Std						
							Supported by HPWord III only on 2628A	

* 2601A, 2602A, 82905B, 2671A, 2671G and 2673A are no longer in production. Shown for reference only.

† AR versions are remarketed products available from FRD.

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
2645A* 2647F*	2601A*/AR†	Std	RS-232-C	2601A Cable (Not used)	13250B Serial Printer Interface	Order 13232G	13261A Device Support Firmware or Tape Drives required on 2645A	Supported only at 300 baud due to lack of handshaking
	2602A* (2647F Only)	046	HP-IB (On 2647F only)	None	HP-IB Interface standard on 2647F Not available on 2645A	HP-IB Cable comes with 2647F		Graphics can dump only on HP-IB Interface HP-IB not supported on 2645A
	2932A/AR† 2934A/AR†	046	HP-IB (On 2647F only)		HP-IB Interface standard on 2647F Not available on 2645A	HP-IB Cable comes with 2647F		
		Std	RS-232-C		13250B Serial Printer Interface	13232G		
	2671A* 2671G* 2673A*	040	RS-232-C		13250B Serial Printer Interface	13232G		
		240	8-Bit Parallel	13232J (1.8 m)	13238A Duplex Register Interface for Terminal shipped with Printer	Comes with Printer		
		Std	HP-IB (On 2647F Only)	None	HP-IB Interface standard on 2647F Not available on 2645A	HP-IB Cable comes with 2647F		
2700*	2671A* 2671G* 2673A*	Std	HP-IB	None	2700 Requires Opt 096 (HP-IB Interface)	10833 A, B, C or D	HP-IB Interface can be added to the 2700 in the field by ordering 13273H	
	2932A/AR† 2934A/AR†	046						

* Product is no longer in production. Shown for reference only. 2601A, 2602A, 2671A, 2671G, 2673A, 2700, 2645A, and 2647F discontinued.

† AR versions are remarketed products available from FRD.

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
2397A 2393A 2625A 2628A	2225A/AR† 2227B	Std	HP-IB	None	2397A — Opt 046 2393A — Opt 046 2625A — Opt 026 2628A — Opt 046	45529A or 10833 A, B, C, or D	For 2625A/2628A Opt 523 also required	
	2602A*/AR†	046						
	2671A* 2671G* 2673A*	Std						
	2932A/AR† 2934A/AR†	046						
	82905B* 82906A*	001 002 003 004						

* 2602A, 82905B, 82906A, 2671A, 2671G and 2673A no longer in production. Shown for reference only.

† AR versions are remarketed products available from FRD.

Workstation Printers _____ **Terminals**

COMBINATIONS		PRINTER		HOST	
Host	Printer	Interface Type	Recommended Interface on Host	Recommended Cables	Notes
HP 1000A	LaserJet LaserJet Plus LaserJet 500 Plus LaserJet 2000	RS-232-C	12040C/D Multiplexer Channel Available from Roseville Networks Division	13242N	Configuration Application Notes
					Support Graphics/1000-11 Version 2.0 Device Independent Graphics Library

COMBINATIONS		PLOTTERS		HOST				
Host	Plotters	Interface Type	Cable Sent with Plotter	Interface Required on Host	Cable Required	Host Requirements	Graphics Software	Notes
262X 2382A 239X 700/92 700/94	7470A Opt 001* 7475A Opt 001 7510A 7550A 7570A 7580B‡ 7585B‡ 7586B‡ 7595A 7596A	RS-232-C Eavesdrop only	3 m Male-Male cable 17355M std with 758X	RS-232-C Interface standard	2621B, 2382A, 2625A & 2628A: Order 13242N 239X and 700/XX: Order 40242M All others: Order 13222N Order 17455A for 747X, 7570A	—	See desired host	HP 3000 Business Graphics Software does not support the 2621 or 239X.
2625A 2628A 2393A 2397A	7440A Opt 002 7470A Opt 002* 7475A Opt 002 7510A 7550A 7570A† 7580B‡ 7585B‡ 7586B‡ 7595A 7596A	HP-IB slaved	None	HP-IB Interface 2393/97A: Opt 046 2625A: Opt 026 2628A: Opt 046	Order 45529A for 2393A/97A Order Opt 308 for 2625A/28A	System use: Order cable for RS-232-C Interface: 2625A/28A: 13242N 2393A/97A: 40242M	For terminal use see desired host.	
HP 150 Terminal	7470A Opt 001* 7475A Opt 001 7510A 7550A 7570A 7580B Opt 052‡ 7585B Opt 052‡ 7586B Opt 052‡ 7595A 7596A	RS-232-C Eavesdrop	3 m Male-Male cable 17355M std with 758X	RS-232-C Standard for Port 1	Order 13242N or 17355M Order 17455A for 747X, 7570A	—	See desired host	See HP Personal Computer Section for details on HP 150 PC use with R-232-C Plotter
	7440A Opt 002 7470A Opt 002* 7475A Opt 002 7510A 7550A 7570A† 7580B Opt 052‡ 7585B Opt 052‡ 7586B Opt 052‡ 7595A 7596A	HP-IB slaved	None	HP-IB Standard. Use Port 1 for HP 150 to host	Order 10833A/B/C for plotter Order 13242N for HP 150 to host	HP 150 Rev B firmware required for HP-IB slaved plotter	See desired host	See HP Personal Computer Section for details on HP 150 PC use with HP-IB Plotter

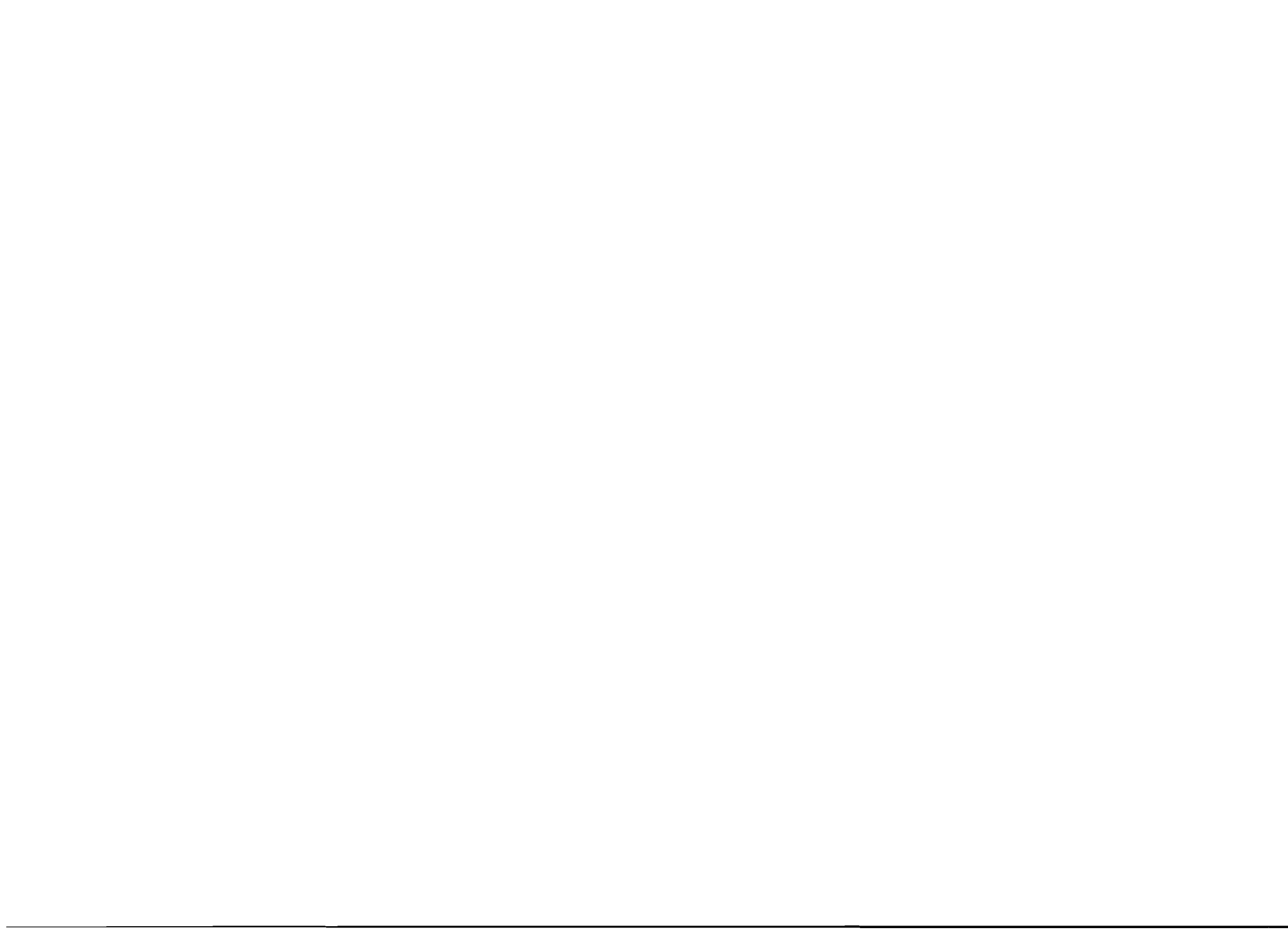
* 7470A was discontinued 2-1-87.

† Needs 17570A HP-IB cartridge.

‡ 758XB series was discontinued 10-1-87.

Plotters

Terminals



Peripherals Configuration Guide

workstation discs							
system discs							
tape drives							
workstation printers							
LaserJet printers							
system printers							
plotters							
tablets							

HP 1000

TECHNICAL SYSTEMS

COMBINATIONS		DISC DRIVE			HOST		
Host	Disc Drive	Maximum No. of Data Storage Systems	Type of Interface	Cables Sent with Disc	Interface and/or Cable Required	Host Requirements	Notes
HP 1000 E, F Series	9122D 9144A	4/HP-IB Interface	HP-IB	None	12821A (HP-IB Cable included)	RTE-6/VM	Boot up is not supported from any of these devices.
HP 1000 A Series	9122D/S 9133L 9134L 9144A 9153B 9154B 9153C	4/HP-IB Interface	HP-IB	None	12009A (HP-IB Cable included)	9121D/S: Interface Driver ID.37 Device Driver DD.30 included with RTE-A All others: ID.37 DD.33 and A.85 Software Release	9144A is supported on A.84 but performance is much slower than cartridge tape unit in 791XP/R Disc. Software is distributed on single-sided 3.5-inch media.
HP Integral PC (HP 9807)	9122D/S 9127* 9133L 9134L 9144A 9153A/B 9154A/B	8/HP-IB Interface	HP-IB	None	82977A A/B HP-IB Cable or 10833 HP-IB Cable	Except for 9153C RTE-A 5.0, the required operating system for all drives is built in	Release 1.0.0 of the integral operating system requires work around procedure when formatting the 40 Mbyte (9133L and 9134L) hard discs 9144A requires TAR

* The 9127A replaces the 9125S.

COMBINATIONS		DISC DRIVE			HOST		
Host	Disc Drive*	Maximum No. of Data Storage Systems	Type of Interface	Cables Sent with Disc	Interface and/or Cable Required	Host Requirements	Notes
HP 1000 E, F Series	9885	1 Master/Interface	Parallel	None	12735-60001 Interface, 12735-60002 Interface, and 12735-60003 cable are required	RTE-IVB or RTE-6/VM	
HP 1000 E, F Series	9895A	2/HP-IB Interface	HP-IB	None	12821A (HP-IB cable included)	Disc Driver: DVA 32 (included with: RTE-IVB, RTE-IVE, RTE-6/VM)	—
HP 1000 A, L Series	9133A/B/D/H 9134A/B/D/H 9133V#004 913xXV#010 9895A	2/HP-IB Interface	HP-IB	None	12009A (HP-IB cable included)	RTE-A	9133V#004 and 913xXV#010 are supported only with RTE-A
HP 1000 A Series	9121D/S	4/HP-IB Interface	HP-IB	None	12009A (HP-IB cable included)	Interface Driver ID 37 Device driver DD.30 included w/RTE-A	—
HP Integral PC (HP 9807)	8290XM 913xV/XV/D/H 9125S†	8/HP-IB Interface	HP-IB	None	82977A/B HP-IB cable or 10833 HP-IB cable	Required operating system is built in	Release 1-0-0 of the Integral operating system requires work around procedure when formatting the 20 MB (9133/34H) hard discs

* 8290XM, 913xA/B, 9133V, 913xXV, 9125S, and the 9885 M/S, 9895A are no longer in production. Support life ends: 8290XM — 7-1-90; 913xA/B — 7-1-89; 9133V — 7-1-90; 913xXV — 7-1-90; 9125S — 6-1-90; 9885M/S — 8-1-94; 9895A — 8-1-91.

† The 9127A has replaced the 9125S.

COMBINATIONS		CONFIGURATION SUPPORT					SYSTEM			
Host	Disc Drive‡‡	Maximum Number of Drives	Required Option	Boot Device	Load Device	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Maximum Supported Cable Length	Host Requirements
1000 Series A/L	7908P/R* ** 7911P/R* †† 7912P/R* †† PR/RR*	4 Maximum per I/F	None	Yes	Yes	10833B (HP-IB) 2 m 10833A (HP-IB) 1 m † 10833A (HP-IB) 1 m † 10833A (HP-IB) 1 m †	12009A Option 001 (Included with CPU on system orders)	4 m (13 ft) HP-IB sent with I/F Card	†Note: Cumulative cable length CPU to last disc = 10 m maximum	Series L requires RTE-XL Series A requires RTE-A
1000 Series A	7936H/XP 7937H/XP	4 Maximum per I/F	None	Yes	No					
	7942A§§ 7946A§§	4 Maximum per I/F	None	Yes	Yes	10833A (HP-IB) 1 m	12009A Option 001	4 m (13 ft) HP-IB sent with I/F Card	Note: Cumulative cable length CPU to last disc = 10 m maximum	Requires RTE-A
	7935H/HR‡	4 Maximum per I/F	None	Yes	No	10833A (HP-IB) 1 m	12009A Option 001	Same as above		Requires RTE-A PCO B.83
	7957A 7958A	4 Maximum per I/F	None	Yes	No‡‡	10833A (HP-IB) 1 m	12009A Option 001			Requires RTE-A 4.1
	7957B 7958B 7959B 7961B 7962B 7963B	4 Maximum per I/F	None	Yes		10833A (HP-IB) 1 m	12009A Option 001			Requires RTE-A 5.0
	7907§	4 Maximum per I/F	None	Yes	No‡‡	10833A (HP-IB) 1 m	12009A Option 001	Same as above		Requires RTE-A PCO A.85

* 7908R/11R/12R/14R available on Series A, Model 26 (A 600 +), Model 27 (A700) and Model 29 (A900) systems.

† 7911/12/14 include the equivalent of 1 m HP-IB cable internally. Must consider for configuration; i.e., HP-IB loading requirements.

‡ Software distribution not available on 7935H disc pack.

§ RTE-A software will not be distributed on removable 97907A disc cartridges for 7907A.

** Product no longer in production. Seven-year support life ends 2-1-95.

†† Product discontinued. Off CPL 3-1-88. 10-year support life ends 3-1-98.

‡‡ Products configured on the same HP-IB channel with disc drive must not be turned on or off while the bus is active.

§§ Discontinuance announced 10-15-87.

7942A off CPL 3-1-88. 10-year support life ends 3-1-98.

7946A off CPL 1-1-89. 10-year support life ends 1-1-99.

COMBINATIONS		CONFIGURATION SUPPORT					SYSTEM			
Host	Disc Drive‡‡	Maximum Number of Drives	Required Option	Boot Device	Load Device	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Maximum Supported Cable Length	Host Requirements
1000 Series A/L	7914TD††/TR§ 7914ST‡**	4 Maximum per I/F	None	Yes	Yes	10833B (HP-IB) 2 m 10833A (HP-IB) 1 m* 10833A (HP-IB) 1 m* 10833A (HP-IB) 1 m*	12009A Option 001 (Included with CPU on system orders)	4 m (13 ft) HP-IB sent with I/F Card	*Note: Cumulative cable length CPU to last disc = 10 m maximum	Series L requires RTE-XL Series A requires RTE-A
1000 Series A	7914CT†**	4 Maximum per I/F	None	Yes	Yes	10833A (HP-IB) 1 m	12009A Option 001	Same as above		Requires RTE-6A.85
	7933H§§ 7933HR	4 Maximum per I/F	None	Yes	No	10833A (HP-IB) 1 m	12009A Option 001	Same as above		Requires RTE-A PCO B.83
	7941A** 7945A/AR**	4 Maximum per I/F	None	Yes	No	10833A (HP-IB) 1 m	12009A Option 001	Same as above		Requires RTE-A

* 7911/12/14 include the equivalent of 1 m HP-IB cable internally. Must consider for configuration; i.e., HP-IB loading requirements.

† 7914CT conforms to configuration limitations of 7914P/R and 9144A with its own set of option numbers. Note that each device in the 7914CT package has its own separate HP-IB cabling.

‡ 7914TD/ST conforms to configuration limitations of 7914P/R and 7970E, with its own separate set of option numbers (see 7914TD Data Sheet). Note also that each device in the 7914TD package has its own separate HP-IB cabling.

§ Product no longer in production. 7-year support life ends 2-1-95.

** Product no longer in production. 10-year support life ends 9-1-97.

†† Product no longer in production. 10-year support life ends 11-1-95. Remarketed products available from FRD.

‡‡ Products configured on the same HP-IB channel with disc drive must not be turned on or off while the bus is active.

§§ New products off CPL 12-1-87. Remarketed products 7933HR/XR available from FRD.

Discontinued System Discs _____ Technical Systems

COMBINATIONS		SYSTEM DISC					HOST			
Host	Disc Drive*	Maximum Number of Drives	Required Option	Boot Device	Load Device	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Maximum Supported Cable Length	Host Requirements
1000 Series E/F	7908P/PR§ 7911P/R§ 7912P/R§ 7914P/R§ PR/RR†	4 Maximum per I/F	None	Yes	Yes	10833B (HP-IB) 2 m 10833A (HP-IB) 1 m† 10833A (HP-IB) 1 m† 10833A (HP-IB) 1 m†	12821A Opt 001‡ Maximum 2 I/F cards (order from RND) 4 Discs Maximum/Interface	3.7 m (12 ft) HP-IB cable sent with I/F Card	†Cumulative cable length CPU to last disc = 10 m maximum	RTE-6/VM
	7935H/HR	4 Maximum per I/F	None	Yes	No	10833A (HP-IB) 1 m	12821A Opt 001‡ Maximum 2 I/F Cards 4 Discs/Interface	3.7 m (12 ft) HP-IB cable sent with I/F Card		RTE-6/VM
	7942A* 7946A*	4 Maximum per I/F	None	Yes	Yes	10833A (HP-IB) 1 m	12821A Opt 001‡ Maximum 2 I/F Cards 4 Discs/Interface	3.7 m (12 ft) HP-IB cable sent with I/F Card		RTE-6/VM
	7957A 7958A	4 Maximum per I/F	None	Yes	No	10833A (HP-IB) 1 m	12821A Opt 001‡ Maximum 2 I/F Cards 4 Discs/Interface	3.7 m (12 ft) HP-IB cable sent with I/F Card		RTE-6/VM PCO 5.0

* Products configured on the same HP-IB channel with disc drive must not be turned on or off while the bus is active.

† 7911/12/14 include the equivalent of 1 m HP-IB cable internally. Must consider for HP-IB loading requirements.

‡ Note: Do not mix ICD Series (7906/20/25H) and CS80 disc (7908/11/12/14/33/35/41/42/45/46, or 7907) on the same disc interface card.

§ Product no longer in production. Ten-year support life ends 2-1-92.

** Discontinuance announced 10-15-87.

7942A off CPL 3-1-88. 10-year support life ends 3-1-98.

7946A off CPL 1-1-89. 10-year support life ends 1-1-99.

§§ Product off CPL 3-1-88. 10-year support life ends 3-1-98.

COMBINATIONS		SYSTEM DISC					HOST			
Host	Disc Drive*	Maximum Number of Drives	Required Option	Boot Device	Load Device	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Maximum Supported Cable Length	Host Requirements
1000 Series E/F	7914TD/TR‡‡	4 Maximum per I/F	None	Yes	Yes	10833B (HP-IB) 2 m 10833A (HP-IB) 1 m† 10833A (HP-IB) 1 m† 10833A (HP-IB) 1 m†	12821A Opt 001‡ Maximum 2 I/F cards (order from RND) 4 Discs Maximum/Interface	3.7 m (12 ft) HP-IB cable sent with I/F Card	†Cumulative cable length CPU to last disc = 10 m maximum	RTE-6/VM
	7933H** 7933HR	4 Maximum per I/F	None	Yes	No	10833A (HP-IB) 1 m	12821A Opt 001‡ Maximum 2 I/F Cards 4 Discs/Interface	3.7 m (12 ft) HP-IB cable sent with I/F Card		RTE-6/VM
	7941A†† 7945A/AR††	4 Maximum per I/F	None	Yes	No	10833A (HP-IB) 1 m	12821A Opt 001‡ Maximum 2 I/F Cards 4 Discs/Interface	3.7 m (12 ft) HP-IB cable sent with I/F Card		RTE-6/VM

* Products configured on the same HP-IB channel with disc drive must not be turned on or off while the bus is active.

† 7911/12/14 include the equivalent of 1 m HP-IB cable internally. Must consider for HP-IB loading requirements.

‡ Note: Do not mix ICD Series (7906/20/25H) and CS80 disc (7908/11/12/14/33/35/41/42/45/46, or 7907) on the same disc interface card.

§ Product discontinuance announcement 2-15-87. Off CPL 9-1-87.

** New product off CPL 12-1-87. Remarketed product 7933HR available from FRD.

†† Product no longer being produced. 10-year support life ends 9-1-97.

‡‡ Product no longer in production. 10-year support life ends 11-1-95.

Discontinued System Discs _____ Technical Systems

COMBINATIONS		SYSTEM DISC					HOST			
Host	Disc Drive*	Maximum Number of Drives	Required Option	Boot Device	Load Device	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Maximum Supported Cable Length	Host Requirements
1000 Series E/F	7907A†	4 Maximum per I/F	None	Yes	No	10833A (HP-IB) 1 m	12821A Opt 001 Maximum 2 I/F Cards 4 Discs/Interface	3.7 m (12 ft) HP-IB sent with I/F Card		RTE-6/VM

* Products configured on the same HP-IB channel with disc drive must not be turned on or off while the bus is active.

† RTE-6/VM software will not be distributed on removable 97907A disc cartridges for 7907A.

COMBINATIONS		SYSTEM DISC					HOST			
Host	Disc Drive*	Maximum Number of Drives	Required Option	Boot Device	Load Device	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Maximum Supported Cable Length	Host Requirements
1000 Series E/F	7906H†‡ 7906HR†‡ 7920†§ 7925†§	2 Maximum per I/F	None	Yes	No	10833B (HP-IB) 2 m	12821A Max 2 I/F Cards (Order from RND) 2 Discs/Interface	3.7 m (12 ft) HP-IB sent with I/F Card	Cumulative cable length CPU to last disc = 10 m Max	RTE-IVB or RTE-6/VM

* Products configured on the same HP-IB channel with disc drive must not be turned on or off while the bus is active.

† Consult local SEO. Data overrun errors may occur when used with CS/80 (7908/11/12/14/33/35) products on the same disc interface.

‡ Product no longer in production. 10-year support life ends 10-1-96. Remarketed products available from FRD.

§ Product no longer in production. 10-year support life ends 6-1-96. Remarketed products available from FRD.

Discontinued System Discs _____ Technical Systems

COMBINATIONS		SYSTEM DISC					HOST			
Host	Disc Drive**	Maximum Number of Drives	Required Option	Boot Device	Load Device	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Maximum Supported Cable Length	Host Requirements
1000 Series M/E/F	7906M/MR†/MS/MW 7920M§/MR 7925M§/MR	1 Maximum per I/F 2 Total	None	Yes	No	Multi-Unit and Data Cable Internal	13175D (Order from DMD) Max 1 Master/Interface Card	5.5 m (18 ft)	5.5 m (18 ft)	RTE-IVB RTE-6/VM
	7906S/SR‡/SS/SW 7920S§/SR 7925S§/SR	7 Maximum per 7906/20/25M (7 Slaves)	Master Disc Required	No	No	13013B-003* (Multi-Unit) 2.4 m 13213B-002* (Data) 15.2 M				
Multi-CPU 1000 Series E/F Max 8 CPU's	7906M/MR†/MS/MW 7920M§/MR 7925M§/MR	1 Maximum per I/F 2 Total†	None	Yes	No	Multi-Unit and Data Cable Internal	Master CPU — 13175D (Order from DMD) All other CPU's 13178D (Order from DMD)	5.5 m (18 ft) Sent with I/F Card	RTE-IVB or RTE-6/VM	
	7906S/SR‡/SS/SW 7920S§/SR 7925S§/SR	7 Maximum Per 7906/20/25M (7 Slaves)	Master Disc required	No	No	13013B-003* (Multi-Unit) 2.4 m 13213B-002* (Data) 15.2 M		Tee Connector 1.8 m (6 ft) I/F Cable 2.4 m (8 ft) Multi-CPU Cable* Cables sent with I/F Card		

* Note: Optional cable lengths available. See Accessories List, Appendix B.
 † Note: A maximum of 2 disc interfaces is supported in the RTE-IVB or RTE-6/VM primary system. Drivers for more disc interfaces can be generated into either RTE-IVB or RTE-6/VM to support more drives. However, the ability to connect multiple disc interfaces to the system does not necessarily mean that 2 disc interfaces can access memory simultaneously via DCPC. If the aggregate data rate exceeds the I/O bandwidth of the CPU, data loss can result.

‡ Product no longer in production. End of support life 10-1-96. Remarketed products may be available from FRD.
 § Product no longer in production. End of support life 6-1-96. Remarketed products may be available from FRD.
 ** Products configured on the same HP-IB channel with disc drive must not be turned on or off while the bus is active.

COMBINATIONS		SYSTEM DISC					HOST			
Host	Disc Drive§	Maximum Number of Drives	Required Option	Boot Device	Load Device	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Maximum Supported Cable Length	Host Requirements
1000 A Series	7906M/MR*†/ MW 7906M*†/MS 7920M*‡/MR 7925M*‡/MR	1 per I/F	102	Yes	No	2 m HP-IB Multi-Unit and Data Cable Internal	12009A Opt 001	4 m (13 ft) HP-IB sent with I/F Card	10 m	RTE-A
	7906S/SR*†/ SW 7906S*†/SS 7920S*†/SR‡ 7925S*†/SR‡	5 Maximum per 7906M 7920M 7925M Opt 102	Master Disc Opt 102	No	No	13013B-003 (Multi-Unit) 2.4 m 13213B-002 (Data Cable) 15.2 m				

* Not supported as system disc.

† Product no longer in production. 10-year support life ends 10-1-96. Remarketed products may be available from FRD.

‡ Product no longer in production. 10-year support life ends 6-1-96. Remarketed products may be available from FRD.

§ Products configured on the same HP-IB channel with disc drive must not be turned on or off while the bus is active.

COMBINATIONS		TAPE DRIVE				HOST		
Host	Tape Drive	Maximum Number	Interface Type	Cable Sent with Tape Drive		Host Interface	Host Requirements	Notes
1000 Series MEF	7974A/AR*	2	HP-IB	HP-IB	2 m	12821A	Requires release 4.0 of RTE-6/VM	
	7978B/BR	1	HP-IB	HP-IB	2 m	12821A	Requires "Special" 93741A driver and RTE-6/VM	
	9144A/AR*	4	HP-IB CS80	None		12821A	Requires A.85 Version of RTE-6/VM	System bootup supported with special 93702A
	Combining 797X	9 total						
	35401A	4	HP-IB CS80	HP-IB	1 m	12821A	Requires "Special" HP 9356/J driver and RTE-6/VM*	

See Appendix A for option numbers and cabinet styles.
 * AR versions are available as remarketed products from FRD.

COMBINATIONS		TAPE DRIVE				HOST		
Host	Tape Drive	Maximum Number	Interface Type	Cable Sent with Tape Drive		Host Interface	Host Requirements	Notes
1000 A Series	7974A/AR*	2	HP-IB	HP-IB	2 m	12009A	RTE-A	Performance improvements with A.85
	9144A/AR*	4	HP-IB CS/80	None		12009A	RTE-A	Performance improvements with A.85
	7978B/BR	2	HP-IB	HP-IB	2 m	12009A	RTE-A	
	35401A	1	HP-IB CS/80	HP-IB	1 m	12009A	Requires RTE-A 4.1 plus 35401A Opt 100	Sequential Mode only
	7979A	2	HP-IB	HP-IB	2 m	12009A	RTE-A 5.0	Shipped with 1 HP-IB load variable from 1-4 loads 1 m internal cable
	7980A	2	HP-IB	HP-IB	2m	12009A	RTE-A 5.0	Shipped with 1 HP-IB load variable from 1-4 loads 1 m internal cable

See Appendix A for option numbers and cabinet styles.

* AR versions are available as remarketed products from FRD.

COMBINATIONS		TAPE DRIVE				HOST		
Host	Tape Drive	Maximum Number	Interface Type	Cable Sent with Tape Drive		Host Interface	Host Requirements	Notes
1000 Series MEF	7970B/BR†‡	8	Parallel Differential	Initial drive: 13181B 15 ft Add-on: Multi-unit 20 ft		13181B	2 interface cards sent with initial drive. Maximum 4 drives per controller.	There are no 7970B slaves
	7970E/ER†‡	8	Parallel Differential	Master: 13183B 15 ft Add-on: Multi-unit 20 ft Slave: Multi-unit 20 ft		13183B	2 interface cards sent with initial drive. Maximum 4 drives per controller.	Each master can control up to 3 slaves
	7976A/AR (Nt)	1	HP-IB	HP-IB 2 m		12821A	Requires special 93577M driver and RTE-IVB or RTE-6/VM	Local SEO & CEO must approve sale
	7978A	1	HP-IB	HP-IB 2 m		12821A	Requires special 93741A driver and RTE-6/VM	
1000 A Series	7970E/ER†‡	2	HP-IB	Master: HP-IB 6 m 19 ft Slave: Multi-unit 20 ft		12009A		Slaves are not supported
	7976A/AR‡ (Nt)	1	HP-IB	HP-IB 2 m		12009A	Requires special 93698L driver and RTE-A	Local SEO & CEO must approve sale
	7978A	2	HP-IB	HP-IB 2 m		12009A	RTE-A	

* 7976A/AR are no longer in production. Five-year support life ends 8-1-90.

† 7970B/BR/E/ER product discontinuance announced. End of production 11-1-86.

‡ AR, BR, ER versions are available as remarketed products from FRD.

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
HP 1000A	2235B	Std	HP-IB	None	12009A HP-IB Interface (from RND)	10833 A,B,C,D	RTE-A	Graphics supported on 92861A Graphics 1000-II Version 2.0 Device Independent Graphics Library
	2235B 2932A/AR† 2934A/AR†	046						
		Std	RS-232-C Local	None	12040C/D Multiplexer Channel (from RND)	92219G	RTE-A	Graphics supported on 92861A Graphics 1000-II Version 2.0 Device Independent Graphics Library
	2235B 2932A/AR† 2934A/AR†	Std	RS-232-C Local	None	12005B + Opt 002 (from RND)	Included with 12005B Opt 002 Interface	RTE-A	Graphics supported on 92861A Graphics 1000-II Version 2.0 Device Independent Graphics Library
	2671A* 2671G* 2673A*	Std	HP-IB	None	12009A HP-IB Interface and cable (from RND)	Included with 12009A Interface	RTE-A (See notes)	Alphanumeric Print only for 2671A/G No Device Driver for 2671A/G. (**No Graphics**) The 2631B Printer Device Drive DD.12 supports Alphanumeric Print only on 2673A
	2686A	Std or 300	RS-232-C Local	None	12040C/D Multiplexer Channel (from RND)	13242N	RTE-A	Support Graphics/1000-II Version 2.0 Device Independent Graphics Library
	2227A 2228A	Std	RS-232-C Local	None	12040C/D Multiplexer Channel (from RND)	13242N	RTE-A	Support Graphics/1000-II Version 2.0 Device Independent Graphics Library
	2225D 3630A	Std 001	RS-232-C Local	None	12040C*/D Multiplexer Channel (from RND)	13242N	RTE-A	Support Graphics/1000-II Version 2.0 Device Independent Graphics Library
82905B* 82906A*	001 — 110V 002 — 120V 003 — 220V 004 — 240V	HP-IB	None	12009A HP-IB Interface and cable (from RND)	Included with 12009A Interface	RTE-A	There is no Device Driver for the 82905B & 82906A Alphanumeric Print capabilities only (no graphics)	
HP 1000 M,E,F	2932A/AR† 2934A/AR†	Std	RS-232-C Local	None	12792C Multiplexer Channel (from RND)	92219G	RTE-6VM or RTE-IVB*	This interface combination is for local connection only

* Products are discontinued (2671A, 2671G, 2673A, 82905B, 82906A). Shown for reference only.

† AR versions are remarketed products available from FRD.

COMBINATIONS		PRINTER		HOST	
Host	Printer	Interface Type	Recommended Interface on Host	Recommended Cables	Notes
2392A 2393A 2394A 2622A 2623A 2624B 2626A 2627A 2628A 700/92 700/94	LaserJet LaserJet Plus LaserJet 500 Plus LaserJet Series II	RS-232-C	239X Requires Option 092 or HP 40210R 2622 Requires Special Option P03 All others use Port 2	239X and 700/XX use 40242G All others use 13242G	

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
HP 1000 M, E, F	2563A‡ 2563B 2564B 2566B	049	RS-232-C	None	12792C (MUX) from Roseville Networks Division	92219G	RTE-IVB* or RTE-6/VM*	Max print speed with 2566B is 750 lpm Req dedicated 12792C config for 19.2K baud
	2563A‡ 2563B 2566B	100	Parallel Interface, 2608A compatible	None	26099A from Boise Division (not supplied with 256XA/B Opt 100)	Supplied with 26099A	RTE-IVB* or RTE-6VM*	For long cables, call SMC; max length is 1000 ft
	2563A‡ 2563B 2564B 2566B	210	HP-IB	10833C HP-IB — 4 m	12821A Opt 001 from Roseville Networks Div (not supplied with 256XA/B Opt 210)	Supplied with Printer	RTE-IVB† or RTE-6VM†	May use with 37203A HP-IB Extenders — not tested/supported
HP 1000 A-Series	2563A‡ 2563B 2564B 2566B	049	RS-232-C	None	12040C/D (MUX) from Roseville Networks Division	92219G	RTE-A	Max print speed with 2566B is 750 lpm Req dedicated 12040C/D config for 19.2K baud
		214	HP-IB	10833C HP-IB — 4 m	12009A from Roseville Networks Division (not supplied with 256XA/B Opt 100)	Supplied with printer	RTE-A	May use with 37203A HP-IB Extenders — not tested/supported
	2680A	301	HP-IB	8120-3449 HP-IB — 8 m	12009A from Roseville Networks Division	Supplied with Printer	Contact DSD Specials Engineering	Supported via special driver available from DSD
	2687A Discontinued 3/86	214	RS-232-C	None	12040C/D (MUX) from Roseville Networks Division	92219G	RTE-A	
	2688A		HP-IB	8120-3449 HP-IB — 8 m	12009A from Roseville Networks Division	Supplied with Printer	Contact DSD Specials Engineering	Supported via special driver available from DSD

* Requires driver DVB12 2424.
† Requires driver DVC12 2424.
‡ 2563A discontinued 2/87 — Replaced by 2563B.

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
HP 1000 M, E, F	2565A 2566A Discontinued 5/86	049	RS-232-C	None	12792C (MUX) from Roseville Networks Division	92219G	RTE-IVB or RTE-6/VM	Max print speed with 2566A is 750 lpm Req dedicated 12792C config for 19.2K baud
	2565A 2566A Discontinued 5/86	100	Parallel Interface, 2608A compatible	None	26099A from Boise Division (not supplied with 256XA/B Opt 100)	Supplied with 26099A	RTE-IVB* or RTE-6VM*	For long cables, call SMC; max length is 1000 ft
	2565A 2566A Discontinued 5/86	210	HP-IB	10833C HP-IB — 4 m	12821A Opt 001 from Roseville Networks Div (not supplied with 256XA/B Opt 210)	Supplied with printer	RTE-IVB† or RTE-6VM†	May use with 37203A HP-IB Extenders — not tested/supported Maximum of two printers per interface
HP 1000 A-Series	2565A 2566A Discontinued 5/86	049	RS-232-C	None	12040C/D (MUX) from Roseville Networks Division	92219G	RTE-A	Max print speed with 2566A is 750 lpm Req dedicated 12040C/D config for 19.2K baud
	2565A 2566A Discontinued 5/86	214	HP-IB	10833C HP-IB — 4 m	12009A from Roseville Networks Division (not supplied with 256XA/B Opt 214)	Supplied with printer	RTE-A	May use with 37203A HP-IB Extenders — not tested/supported Maximum of two printers per interface
	LaserJet 2686A	Std	RS-232-C	None	12040C/D (MUX) Available from Roseville Networks Division	13242N	RTE-A	Recommended cables are: 13242N 5 m 92218G 3.5 m Not supplied with the printer
	LaserJet Plus 2686A	300						
	LaserJet 500 Plus 2686D	Std						
LaserJet Series II 33440A	Std							

* Requires driver DVB12 2424.

† Requires driver DVC12 2424.

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
HP Integral PC	LaserJet 2686A	Std	RS-232-C	None	82919A	82974D		Recommended cables are: 13242N 5 m 92219G 3.5 m Not supplied with the printer
	LaserJet PLUS 2686A	300						
	LaserJet 500 PLUS 2686D	Std						
	LaserJet Series II 33440A	Std						

COMBINATIONS		PLOTTERS		HOST				
Host	Plotters	Interface Type	Cable Sent with Plotter	Interface Required on Host	Cable Required	Host Requirements	Graphics Software	Notes
HP 1000 A	7440A Opt 002 7470A Opt 002* 7475A Opt 002 7510A 7550A 7570A† 7580B Opt 060§ 7585B Opt 060§ 7586B Opt 060§ 7595A 7596A	HP-IB	None	12009A	One cable comes with interface Order extra 10833A/B/C/D as needed	RTE-A	Graphics/1000-II DGL & AGP Rev 2.0 7510, 7550 supported under version 4.1 of RTE-A 7440A supported under release of version 4.0 of RTE-A and later	Graphics/1000-II provides graphics subroutines — required for all graphics programming DGL & AGP Rev 2.0 does not support long-axis plots Page advance only
HP 1000 E/F	7440A Opt 002 7470A Opt 002* 7475A Opt 002 7550A 7580B Opt 060§ 7585B Opt 060§ 7586B Opt 060§	HP-IB	None	59310B	One cable comes with interface Order extra 10833A/B/C/D as needed	RTE-6/VM	Graphics/1000-II DGL & AGP Rev 2.0 7440A supported under release of version 4.0 of RTE-6/VM	See above notes
HP 1000 A	7440A Opt 001 7470A Opt 001* 7475A Opt 001 7510A 7550A 7570A 7580B Opt 060§ 7585B Opt 060§ 7586B Opt 060§ 7595A 7596A	RS-232-C Direct	None	12040C/D (MUX) from RND	7510A and 7550A: 17355D All others: 13242N or 17355M	A series requires RTE-A Version 4.1	Graphics/1000-II DGL & AGP Rev 2.0‡	See above notes Also, 758X only supported for S/N 2402A or greater
HP 1000 E/F	7440A Opt 001 7470A Opt 001* 7475A Opt 001 7550A 7580B Opt 060§ 7585B Opt 060§ 7586B Opt 060§	RS-232-C Direct	None	12792C (MUX) from RND	7550A: 17355D All others: 13242N or 17355M	E/F series requires RTE-6/VM Version 4.1	Graphics/1000-II DGL & AGP Rev 2.0 No support under RTE-IVB	See above notes Also, 758X only supported for S/N 2402A or greater

* 7470A was discontinued 2-1-87.

† Needs 17570A HP-IB cartridge.

‡ 759X is supported under Release 4.1 of RTE-A in emulation mode only.

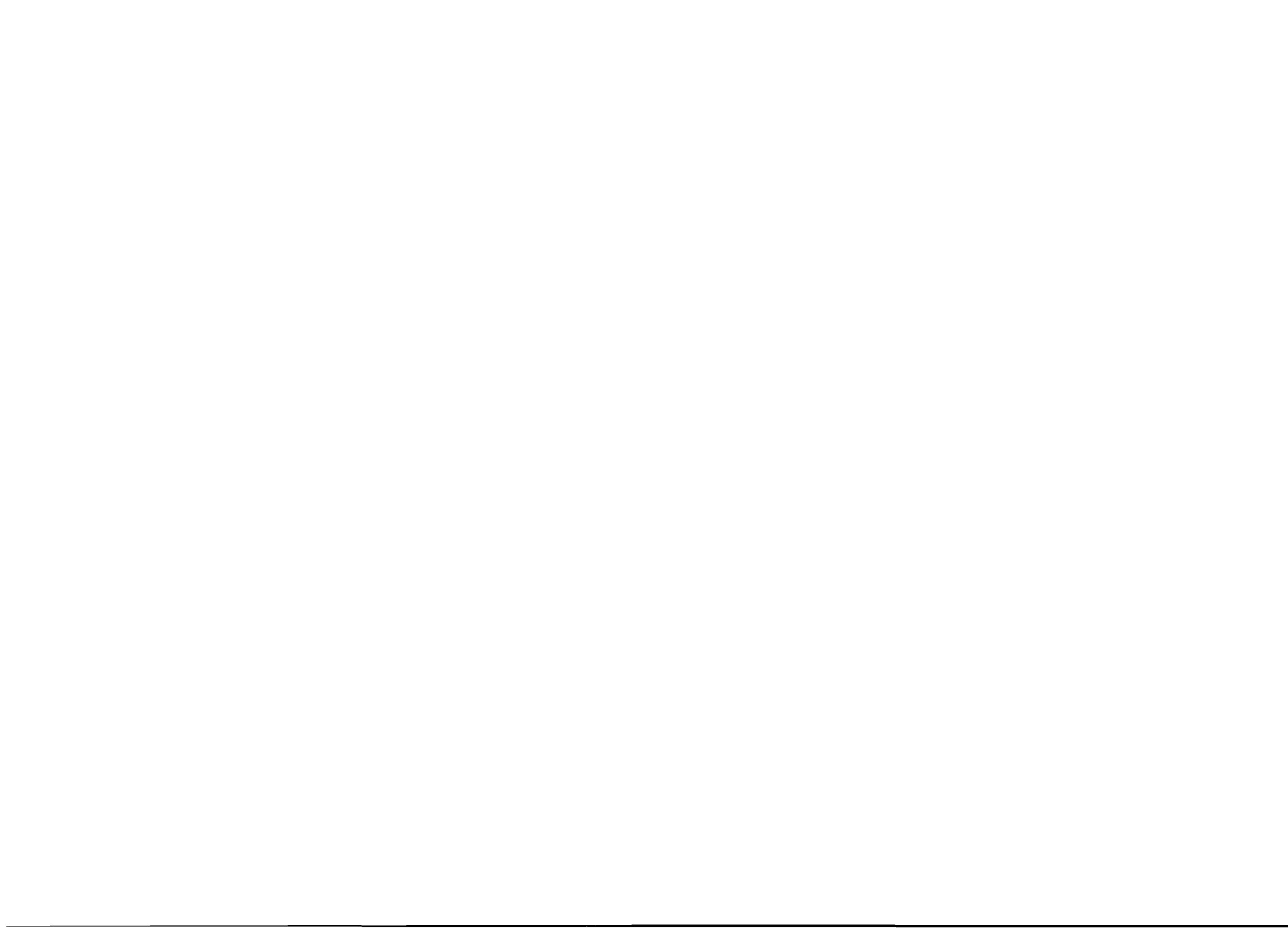
Full support will require release 5.0 of RTE-A.

§ 758XB series was discontinued 10-1-87.

COMBINATIONS		TABLET		HOST				
Host	Graphics Tablet	Interface Type	Cable Sent with Tablet	Interface Required on Host	Cable Required	Host Requirements	Tablet Software	Notes
HP 1000 A	9111A* Opt 100	HP-IB	None	12009A	One cable comes with interface Order extra 10833A/B/C/D as needed	RTE-A	Graphics/1000-II AGP & DGL	Graphics/1000-II provides graphics subroutines — required for all graphics Programming ability required
HP 1000 E/F	9111A* Opt 100	HP-IB	None	59310B	One cable comes with interface Order extra 10833A/B/C/D as needed	RTE-6/VM or RTE-IVB†	Graphics/1000-II AGP & DGL	Graphics/1000-II provides graphics subroutines — required for all graphics Programming ability required

* 9111A Tablet was discontinued Dec. 1, 1986.

† RTE-IVB and 92841A Graphics/1000 II device independent Graphics Library discontinued Feb. 1, 1987.



Peripherals Configuration Guide

workstation discs							
system discs							
tape drives							
color graphics printers							
workstation printers							
system printers							
plotters							
tablets							

HP 9000

TECHNICAL WORKSTATIONS

COMBINATIONS		DISC DRIVE			HOST		
Host	Disc Drive	Maximum No. of Data Storage Systems	Type of Interface	Cables Sent with Disc	Interface and/or Cable Required	Host Requirements	Notes
HP 9825 A/B/S	Please see discontinued discs						
HP 9825T	9122D/S 9144A	2/HP-IB Interface	HP-IB	None	98034A revised or later HP-IB Interface (98034A revised card is not certified by FCC for Class A regulations)	98228A ROM only supports the 9895A† All other drives require the MS-ROM supported by Structured Software Systems 609-267-1616	Only one of the following three ROMs can be loaded at any one time: 98217, 98228, MS-ROM
HP 9845B/C	9122D/S 9144A	2/HP-IB Interface	HP-IB	None	98034A revised or later HP-IB Interface (98034A revised card is not FCC certified for Class A)	98413B/C ROM only supports the 9895A† All other drives require a third party ROM — supported by Structured Software Systems 609-267-1616	A separate HP-IB interface is required for discs when using 98413B ROM

COMBINATIONS		DISC DRIVE			HOST					
Host	Disc Drive	Maximum No. of Data Storage Systems	Type of Interface	Cables Sent with Disc	Interface and/or Cable Required	Host Requirements				Notes
HP 9000 Series 500	9122D/S 9127A†† 9133L 9134L 9153A/B 9154A/B	2/HP-IB Interface	HP-IB	None	27110A One shipped with each host computer	9127A requires BASIC 2.0, HP-UX 5.1 or later. 9153A/54A requires BASIC 2.0, HP-UX not supported. All others need BASIC 2.0, HP-UX 4.0 or later				
HP 9000 Series 200	9122D/S 9127A†† 9133L 9134L 9153A/B 9154A/B 9153C	2/HP-IB Interface	HP-IB	None	10833 HP-IB Cable Note: Series 200 shipped with one HP-IB cable	Earliest Supporting Op Sys — All Later Versions Work				
							BASIC	PASCAL	HPL	HP-UX
						9122D/S	3.0	3.0	No*	2.2L
						9127A	3.0†	3.0†	No	5.1
						9133L	3.0	3.0	No*	2.2
						9134L	3.0	3.0	No	2.2
						9144A	2.1	2.1	No	2.0
						9153A/B	3.0	3.0	No	2.1‡
						9154A/B	3.0	3.0	No	2.1‡
						9153C	5.1	3.2	No	No
HP 9000 Series 300 Models 310, 320, 350	9122D/S 9125S 9127A†† 9133L 9134L 9153A/B 9154A/B 9153C	2/HP-IB Interface	HP-IB	None	10833 HP-IB Cable HP-IB standard on host or 98624A, 98625A, 98625B	Earliest Supporting Op Sys — All Later Versions Work				
							BASIC	PASCAL	HPL	HP-UX
						9122D/S	4.0	3.1	No	5.0
						9127A	4.0**	3.1**	No	5.0**
						9133L	4.0††	3.1	No	5.0
						9134L	4.0††	3.1	No	5.0
						9153A/B	4.0	3.1	No	5.0
						9154A/B	4.0	3.1	No	5.0
						9153C	5.1	3.2	No	5.5

* Disc for use only as a secondary "mounted volumes" disc or LIF utility volumes. Direct installation is not supported.
† File system support limited to HP directory types.
‡ HP-UX 2.1 requires a CS/80 disc with "single controller" cartridge tape drive. Additional discs may have "separate controller" tape drives or no tape drives. These devices may be used only as "add-ons." HP-UX has no such restrictions.

§ MEDIANIT command may not support AMIGO discs until 5.1.
** File system support limited to HP directory types.
†† TRANSFER not supported on 9133D/H/L Opt 001.
‡‡ The 9127A has replaced the 9125S.

COMBINATIONS		DISC DRIVE			HOST		
Host	Disc Drive	Maximum No. of Data Storage Systems	Type of Interface	Cables Sent with Disc	Interface and/or Cable Required	Host Requirements	Notes
HP 9825 A/B/S	9885	1 Master/Interface	Parallel	None	98032A Opt 185 (includes cable)	98217A ROM	9885 Opt 025 contains the 98032A Opt 185 Interface Order data storage ROM separately
HP 9825T	8290xM 9121D/S 9133A/B/D 9133V/XV 9134A/B/D 9134XV 9135A 9885M/S 9895A	9885: 1 Master/Interface All others: 2/HP-IB Interface	9885: Parallel All others: HP-IB	None	9885M: 98032A Opt 185 (includes cable) All others: 98034A Revised or later HP-IB Interface (98034A Revised card is not certified by FCC for Class A regulations)	9885, 9895A, 9134A: 98228A ROM All others: MS-ROM — Supported by Structured Software Systems (609) 267-1616	9885M Opt 025 contains the 98032A Opt 185 Interface Order 98228A ROM separately Only one of the following three ROMs can be loaded at one time: 98217, 98228, MS-ROM
HP 9835A 9845B/C	8290xM 9121D/S 9133A/B/D 9133V/XV 9134A/B/D 9134XV 9135A 9885M/S 9895A	9885: 1 Master/Interface All others: 2/HP-IB Interface	9885: Parallel All others: HP-IB	None	9885M: 9835; 98032 Opt 385 (incl cable) 9845; 98032 Opt 486 (incl cable) All others: 98034A Revised or later HP-IB Interface (98034A Revised card is not certified by FCC for Class A regulations)	9835: Supports only 9134A, 9885, and 9895A; 98331B ROM 9845: Supports 9134A, 9885M/S, or 9895A with 98413B/C ROM 9845: Third Party ROM for all other discs except above Supported by Structured Software Systems, (609) 267-1616	9885M Opt 035 contains the 98032A Opt 385 Interface Order 98331B ROM separately 9885M Opt 045 contains the 98032A Opt 485 Interface Order 98413C ROM separately 9835 and 9845 require a separate HP-IB Interface for discs when using 98413B ROM
HP 9000 Series 500	8290xM 9125S 9133D/H 9134D/H 9885M/S† 9895A	9885: 1 Master/Interface All others: 2/HP-IB Interface	9885: Parallel All others: HP-IB	None	27110A One shipped with each host computer	9895, 8290x M/S need BASIC 1.0, HP-UX 2.0† or later All others need BASIC 2.0, HP-UX 4.0 or later	Cannot be system boot discs Use 9133/34D #001 for HP-UX The Standard 9133/34D is not supported

* 8290XM, 9130A, 913xA/B, 9133V, 913xXV, 9135A, and the 9885 M/S are no longer in production. Support life ends: 8290XM — 7-1-90; 9130A — 6-30-89; 913xA/B — 7-1-89; 9133V — 7-1-90; 913xXV — 7-1-90; 9135A — 7-1-89; 9885M/S — 8-1-94.

† The 9895A will be discontinued 8-1-86.

COMBINATIONS		DISC DRIVE			HOST					
Host	Disc Drive	Maximum No. of Data Storage Systems	Type of Interface	Cables Sent with Disc	Interface and/or Cable Required	Host Requirements		Notes		
HP 9000 Series 200	8290xM 9121D/S 9125A 9133A/B 9133V/XV 9134A/B 9134XV 9135A 9885M/S‡ 9895A	9885: 1 Master/ Interface All others: 2/HP-IB Interface	9885M: Parallel All others: HP-IB	None	9885M: 98622 Opt 002 parallel I/O with cable All others: 10833 HP-IB Cable	Earliest Supporting Op Sys — All Later Versions Work				
							BASIC	PASCAL	HPL	HP-UX
						8290x M/S	2.0	2.0	1.0	2.0†
						9121D/S	2.0	2.0	1.0	2.0
						9125S	3.0‡	3.0‡	No*	5.1
						9133A	2.0	2.0	1.0	2.0†
						9133B	2.1	2.1	No	2.0†
						9133V	2.1 Rev A	2.1	No	2.0†
						9133V #004	2.0	2.0	2.0	2.0†
						9133XV	2.1 Rev B	2.1	No	2.0†
						9134A	2.0	2.0	1.0	2.0†
						9134B	2.1	2.1	No	2.0†
						9134XV	2.1 Rev B	2.1	No	2.0†
9135A	2.0	2.0	1.0	2.0†						
913xA #010	2.1	2.1	No	2.0†						
9885M/S	2.0	1.0	1.0	No						
9895A	2.0	1.0	1.0	1.0†						
HP 9000 Series 300 Models 310, 320	9895A	2/HP-IB Interface	HP-IB	None	10833 HP-IB Cable HP-IB standard on host or 98624A, 98625A	Earliest Supporting Op Sys — All Later Versions Work				
							BASIC	PASCAL	HPL	HP-UX
						9895A	No	No	No	5.1
HP 9000 Series 200	9133D/H 9134D/H	2/HP-IB Interface	HP-IB	None	10833 HP-IB Cable	Earliest Supporting Op Sys — All Later Versions Work				
							BASIC	PASCAL	HPL	HP-UX
						9121D/S	4.0	3.1	No	5.0††
						9133D/H	3.0	3.0	No†	2.2
						9134D	3.0	3.0	No†	2.2
						9134H	3.0	3.0	No	2.2
						9125S	4.0§	3.1§	No	5.0§
						9133D/H	4.0**	3.1	No	5.0
						9134D/H	4.0**	3.1	No	5.0
HP 9000 Series 300 Model 350	9121D/S 9125S 9133D/H 9134D/H	2/HP-IB Interface	HP-IB	None		Earliest Supporting Op Sys — All Later Versions Work				
							BASIC	PASCAL	HPL	HP-UX

* Can be used with HP plus support from Structured Software Systems, Inc.

† Disc for use only as secondary "mounted volumes" disc or LIF utility volumes. Direct installation is not supported.

‡ Model 216 and 217 not supported.

§ File system support limited to HP Directory types.

** Transfer not supported on 9133D/H and 9134D/H #001.

†† MEDIANIT command may not support AMIGO discs until 5.1.

Discontinued Workstation Discs _____ Technical Workstations

COMBINATIONS **SYSTEM DISC** **HOST**

Host	Disc Drive*	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Maximum Supported Cable Length	Host Requirements
9845	7908P\$ 7911P** 7912P**	2 Maximum	None	10833B (HP-IB) 2 m 10833A (HP-IB) 1 m† 10833A (HP-IB) 1 m†	98034B, Opt 045 and 98413C ROM (Order from FSD)	Sent with Disc	2 m 1 m 1 m	Requires Backup Utilities 09845-10840 (Order from FSD)
		6 total						
9845B/C	7907 7942†† 7946†† 7957A 7958A	2 Maximum	None	10833A (HP-IB) 1 m	98034B Opt 045 and SSS ROM‡	1 m HP-IB sent with Disc		Supported by 3rd Party ROM ‡
9825T	7907 7957A 7958A	2 Maximum	None	10833A (HP-IB) 1 m	98034B Opt 045 and SSS ROM‡	1 m HP-IB sent with Disc		Supported by 3rd Party ROM ‡

* Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.
 † 7911/12 include the equivalent of 1 m HP-IB cable internally. Must consider for configuration: i.e., HP-IB loading requirements.
 ‡ Purchased through an OEM company (Structured Systems Software (609) 267-1616).

§ Product no longer in production. Seven-year support life ends 2-1-95.
 ** Off CPL 3-1-88. 10-year support life ends 3-1-98.
 †† Product discontinuance announced 10-15-87.
 †† 7942A off CPL 3-1-88. 10-year support life ends 3-1-98.
 †† 7946A off CPL 1-1-89. 10-year support life ends 1-1-99.

System Discs **Technical Workstations**

COMBINATIONS		DISC DRIVE			HOST		
Host	Disc Drive	Maximum No. of Data Storage Systems	Type of Interface	Cables Sent with Disc	Interface and/or Cable Required	Host Requirements	Notes
HP 9000 Series 200	7957A 7958A	8	HP-IB	10833A (HP-IB) 1 m		BASIC 5.0 PASCAL 3.2	
	7957B 7958B 7959B 7961B 7962B 7963B	8	HP-IB	10833A (HP-IB) 1 m			
HP 9000 Series 300	7957A 7958A	8	HP-IB	10833A (HP-IB) 1 m		BASIC 5.0 PASCAL 3.2 HP-UX 5.1	
	7957B 7958B 7959B 7961B 7962B 7963B	8	HP-IB			BASIC 5.0 PASCAL 3.2 HP-UX 6.0	
	7936H 7937H	8	HP-IB	10833A (HP-IB) 1 m		BASIC 4.0 PASCAL 3.2 HP-UX 5.1	Supported only on high speed HP-IB
HP 9000 Series 800	7936H 7937H	12	HP-IB	10833A (HP-IB) 1 m		HP-UX B.1	
	7957B 7958B 7959B 7961B 7962B 7963B	12	HP-IB	10833A (HP-IB) 1 m		HP-UX 1.2 (7959B only) HP-UX 2.0 or later (all)	Each disc mechanism in a 7961B/62B/63B counts as 1 data storage system

System Discs

Technical Workstations

COMBINATIONS		SYSTEM DISC			HOST			
Host	Disc Drive*	Maximum Number of Drives	Required Option	Cable Sent with Disc	Disc Interface Card Required	Interface Cable Sent with System	Maximum Supported Cable Length	Host Requirements
9845	7906M‡/MS 7920M§/MR 7925M§/MR	1	102	Multi-unit and Data Cable Internal 10833B (HP-IB) 2 m	98041A Opt 045 and 98413A/B/C ROM (Order from FSD)	Sent with Master Disc	3.35 m (9845 to 98041A) 6 m (98041A to Master)	
	7906S‡/SS 7920S§/SR 7925S§/SR	3	Master Disc required	13013B-003* (Multi-Unit) 2.4 m 13213B-002* (Data) 15.2 m				
9835	7906M‡/MS 7920M§/MR 7925M§/MR	1	102	Multi-unit and Data Cable Internal 10833B (HP-IB) 2 m	98041A Opt 035 and 98331B ROM (Order from FSD)			
	7906S‡/SS 7920S§/SR 7925S§/SR	3	Master Disc Required	13013B-003* (Multi-Unit) 2.4 m 13213B-002* (Data) 15.2 m				
		4 total						
9845B/C	7941** 7945**	2	None	10833A (HP-IB) 1 m	98034B Opt 045 and SSS ROM†	1 m HP-IB sent with Disc		Supported by 3rd Party ROM †
9825T	7941** 7945**	2	None	10833A (HP-IB) 1 m	98034B Opt 045 and SSS ROM†	1 m HP-IB sent with Disc		Supported by 3rd Party ROM †

* Products configured on the same HP-IB channel with disc drives must not be turned on or off while the bus is active.

† Purchased through an OEM company (Structured Systems Software (609) 267-1616).

‡ Product no longer in production. 10-year support life ends 10-1-96. Remarketed products may be available from FRD.

§ Product no longer in production. 10-year support life ends 6-1-96. Remarketed products may be available from FRD.

** Product no longer in production. 10-year support life ends 9-1-97.

COMBINATIONS		TAPE DRIVE				HOST		
Host	Tape Drive	Maximum Number	Interface Type	Cable Sent with Tape Drive		Host Interface	Host Requirements	Notes
9835A,B 9845B,C	9144A/AR‡	2	HP-IB CS80	None		98041A or 98034B	Supported by 3rd Party ROM; Contact: Structured Software Systems 609-267-1616	Requires 3rd Party Rom; Contact: Structured Software Systems 609-267-1616
9000 Series 300/500	9144A/AR‡	4	HP-IB CS80	None		98624A or Internal	9000/500 BASIC 2.0 or HP-UX 4.0 9000/300 BASIC 4.0 or HP-UX 5.0 or Pascal 3.1	9000/500 Rev B Boot ROM 9000/300 Rev A Boot ROM
	7974A/AR‡	2	HP-IB	HP-IB	2 m	27110A	9000/500 — HP-UX 4.0 9000/500 — BASIC 2.0 9000/300 — HP-UX 4.0	BASIC supports 1600 only. Rev B boot ROM required to use for install
	7978B/BR	2	HP-IB	HP-IB	2 m	27110A	For 500 BASIC 2.0 or greater For 500 HP-UX 4.0 or greater For 300 HP-UX 5.0 or greater	
	35401A	—	HP-IB	HP-IB	1 m	S300-98624A or 98625A* S500-27110A	S300 — BASIC 4.0 S300 — HP-UX 5.1 S500 — HP-UX 5.0 (S520 — BASIC not planned)	§Sequential Mode only *Selective Mode only Sequential Mode Requires boot loader ROM "B" or later Sequential Mode only
9000 Series 200	9144A/AR‡	4	HP-IB CS80	None		98624A or Internal	BASIC 2.0 with extensions or 3.0 or later Pascal 2.1 or 3.0 or later	
	35401A	—	HP-IB	HP-IB	1 m	98624A or 98625A* †	BASIC 4.0 Pascal 3.1 HP-UX 5.1	§Sequential Mode only §Sequential Mode only Selective Mode
9000 Series 840	7974A	2	HP-IB	HP-IB	2 m	27110A	9000/500 — HP-UX 4.0 9000/500 — BASIC 2.0 9000/300 — HP-UX 4.0	
	7978B/BR	2	HP-IB	HP-IB	2 m	27110A	For 500 BASIC 2.0 or greater For 500 HP-UX 4.0 or greater For 300 HP-UX 5.0 or greater	

* Using 98620 with built-in, 98624A or 98625A interface improves performance.

† Boot ROM 3.0 or later required for S200 for 9144 and 35401.

‡ AR versions are available as remarketed products from FRD.

§ Operator intervention or user programming required to change tapes.

See Appendix A for option numbers and cabinet styles.

Tape Drives _____ Technical Workstations

COMBINATIONS		TAPE DRIVE					HOST
Host	Tape Drive	Maximum Number	Interface Type	Cable Sent with Tape Drive	Host Interface	Host Requirements	Notes
9835A,B 9845B,C	7970E/ER†	2	HP-IB	HP-IB	98041A	With 9835, refer to 9836A and 98331B. With 9845, refer to 98413C and 09845-15220.	Minimum of 128 Kbytes of memory required
9000 Series 300/500	7970E/ER†	2	HP-IB	HP-IB	27110A	BASIC 1.02 or greater HP-UX 2.0 or greater	Slaves are not supported. Rev B boot from ROM required to use for install.
	7978A	2	HP-IB	HP-IB	27110A	For 500 BASIC 2.0 or greater For 500 HP-UX 4.0 or greater For 300 HP-UX 5.0 or greater	
9000 Series 200	7970E/ER†	2	HP-IB	HP-IB	98624A or 98625A	Requires HP-UX Op Sys Upright cabinet only	Slaves not supported.

† 7970E/ER product discontinuance announced. End of production 11-1-86.
 † ER versions are available as remarketed products from FRD.

COMBINATIONS		PRINTERS			HOST				
Host		Printer	Interface Type	Cable Sent with Printer	Interface Required on Host	Cable Required	Host Requirements	Graphics** Software	Notes
HP 9000 Series 200	Models 220, 226, 236	PaintJet 3630A Opt 002	HP-IB	None	HP-IB Standard	One 10833B sent with interface Order extra as needed	BASIC 5.01 Pascal 3.21 HP-UX 5.5	See Software Matrix 5956-4248	
HP 9000 Series 300	Models 310, 320, 350	PaintJet 3630A Opt 002	HP-IB	None	HP-IB Standard on Host or 98624A	10833A/B/C/D	BASIC 5.01 Pascal 3.21 HP-UX 5.5	See Software Matrix 5956-4248	
HP 9000 Series 800	Models 825S, 825RX, 840F	PaintJet 3630A Opt 002	HP-IB	None	27110B HP-IB Interface	10833B sent with interface Order extra as needed	HP-UX 1.1	See Software Matrix 5956-4248	

Color Graphics Printers _____ Technical Workstations

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
HP 9000 Series 200 Models 216 217 220 226 236 237	2225A/AY/AR† 2227B	Std	HP-IB	None	HP-IB Standard on Host	10833A/B/C or D	BASIC 2.0, HP-UX 2.0, or PASCAL 3.0	HPL or SRM does not support 2225A 2225B/C/D not supported
	2601A*	826	RS-232-C	2601A Cable	98626A + Opt 200 from FSD	Cable sent with printer or 13242N	BASIC 1.0, HPL 1.0, or PASCAL 2.1	SRM and HP-UX do not support 2601A Not supported on Models 220 or 237
	2602A*	046	HP-IB	None	HP-IB Standard on Host	10833A/B/C or D	BASIC 1.0, HPL 1.0, or PASCAL 2.1	SRM and HP-UX do not support 2602A
	2631B/BR*†	046	HP-IB	None	HP-IB Standard on Host	10833A/B/C or D	BASIC 1.0, HPL 1.0, HP-UX 2.0, PASCAL 1.0, SRM 1.0	
	2631G*	Std	HP-IB	None	HP-IB Standard on Host	10833A/B/C or D	BASIC 1.0, HPL 1.0, HP-UX 2.0, PASCAL 1.0, SRM 1.0	
	2671A* 2671G* 2673A*	Std	HP-IB	None	HP-IB Standard on Host	10833A/B/C or D	BASIC 1.0, HPL 1.0, HP-UX 2.0, PASCAL 1.0	SRM not supported on 267X printers and 2671G/73A Graphics not supported on Model 217
	2935B	Std	HP-IB	None	HP-IB Standard on Host	10833A/B/C or D	BASIC 2.0, HPL 2.0, PASCAL 2.0, HP-UX 2.0, SRM 2.0	
	2932A 2933A* 2934A	046						
	82905A/B*	001-4	HP-IB	None	HP-IB Standard on Host	10833A/B/C or D	BASIC 1.0, HPL 1.0, PASCAL 2.0	HP-UX and SRM do not support 82905A
	82906A	001-4	HP-IB	None	HP-IB Standard on Host	10833A/B/C or D	BASIC 1.0, HPL 1.0, HP-UX 2.0, PASCAL 2.0	SRM does not support 82906A
9876A	Std	HP-IB	None	HP-IB Standard on Host	10833A/B/C or D	BASIC 1.0, HPL 1.0, HP-UX 2.0, PASCAL 1.0, SRM 1.0		
HP 9000 Series 300 Models 310 320 350	2225A-AZ 2227B	Std	HP-IB	None	HP-IB Standard on Host or 98624A	10833A/B/C/D	BASIC 4.0, HP-UX 5.0, or PASCAL 3.1	2225B/C/D not supported
	2935B	Std	HP-IB	None	HP-IB Standard on Host or 98624A	10833A/B/C/D	BASIC 4.0, HP-UX 5.0, or PASCAL 3.1	
	2932A 2933A* 2934A	046						
	82906A	001-004	HP-IB	None	HP-IB Standard on Host or 98624A	10833A/B/C/D	BASIC 4.0, HP-UX 5.0, or PASCAL 3.1	

* Products are discontinued. 2601A, 2602A, 2631B, 2631G, 2671A, 2671G, 2673A, 2933A, 2905A/B, shown for reference only.

† AR and BR versions are remarketed products available from FRD.

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
HP 9000 Series 300	41063A	Std	HP-IB	None	HP-IB Standard on Host or 98624A	10833A/B/C/D	BASIC 4.0, PASCAL 3.1, HP-UX 5.2	SRM does not support 41063A
HP 9000 Series 500 Models 520 530 540 550 560	2225A/AR† 2227B	Std	HP-IB	None	HP-IB Standard on Host	10833A/B/C or D	BASIC 1.02 or HP-UX 4.0	SRM does not support 2225A
	2601A/AR*†	826	RS-232-C	2601A Cable	Plug into multiplexer or direct connect on ASI card 27128A or 27130A	Cable sent with printer or 13242N	BASIC 1.0 or HP-UX 2.0	SRM does not support RS-232-C Models 550 and 560 do not support 2601A
	2602A*	046	HP-IB	None	HP-IB Standard on Host	10833A/B/C or D	BASIC 1.0 or HP-UX 2.0 Dedicated HP-IB Bus	HP-UX supports 2602A/dedicated bus
	2631B/BR*†	046	HP-IB	None	HP-IB Standard on Host	10833A/B/C or D	BASIC 1.0 or HP-UX 2.0	
	2631G*	Std						
	2932A/AR† 2933A/AR† 2934A/AR†	046	HP-IB	None	HP-IB Standard on Host	10833A/B/C or D	BASIC 1.0 or HP-UX 3.0	
	97090A	Std	HP-IB	None	HP-IB Standard on Host	10833A/B/C or D	BASIC 1.0 or HP-UX 2.0	Supported only on Model 520
9876A	Std	HP-IB	None	HP-IB Standard on Host	10833A/B/C or D	BASIC 1.0 or HP-UX 2.0		
HP 9000 Series 800	41063A	Std	HP-IB	None	HP-IB Standard on Host or 27110B HP-IB Interface	10833A/B/C/D	HP-UX 1.1	Graphics (Starbase) will support 41063A from HP-UX 1.2
9845B/C	2601A*/AR†	826	RS-232-C	2601A/AR* Cable	98036A + Opt 445 Serial Interface	Cable sent with printer or 13242N	—	—
	2671A* 2671G* 2673A*	Std	HP-IB	None	98034B HP-IB Interface with Cable	Included with Interface	—	

* Products are discontinued. 2601A, 2602A, 2631B, 2631G, 2671A, 2671G, 2673A, and 2933A shown for reference only.

† AR and BR versions are remarketed products available from FRD.

COMBINATIONS			PRINTER				HOST	
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
9816 9817 9820 9826 9836 9837	2563A Discontinued 2/87 2563B	200	HP-IB	10833C HP-IB 4 m	HP-IB standard on host	Supplied with printer	BASIC 2.0 HP-UX 2.1 PASCAL 2.0	HPL and SRM do not support 2563A or 2563B Opt 200. Comes from factory configured for character mode (Series 200) can change to SRM (C/PER) via front panel. Call CEO for details.
9817 9820 9826 9836 9837	2563A Discontinued 2/87 2563B 2564B	850	HP-IB	10833C HP-IB 4 m	HP-IB standard on host	Supplied with printer	HP-UX 5.1 SRM 2.0	BASIC, PASCAL and HPL do not support 2563A or 2563B Opt 850. HP 9816 not supported.
9816	2564B	200	HP-IB	10833C HP-IB 4 m	HP-IB standard on host	Supplied with printer	BASIC 2.0 HP-UX 2.1 PASCAL 2.0	HPL and SRM do not support 2564B Opt 200.
9820 9837	2565A Discontinued 5/86	200	HP-IB	10833C HP-IB 4 m	HP-IB standard on host	Supplied with printer	BASIC 2.0 HP-UX 2.1 PASCAL 2.0	HPL and SRM do not support
9820 9837	2566A Discontinued 5/86	850	HP-IB C/PER	10833C HP-IB 4 m	HP-IB standard on host	Supplied with printer	HP-UX 5.1 SRM 2.0	BASIC, HPL and PASCAL do not support
9820 9837	2566B	850	HP-IB C/PER	10833C HP-IB 4 m	HP-IB standard on host	Supplied with printer	HP-UX 5.1 SRM 2.0	BASIC, HPL and PASCAL do not support
9826 9836	2608A Discontinued 11/85	046	HP-IB	10833C HP-IB 4 m	Refer to SRM Manual Number 98028-90000 for details		ROM and Cable for Shared Resource Manager	Supported via Shared Resource Manager
9820 9826 9836 9837	2608S Discontinued 11/85	290	HP-IB C/PER	10833C HP-IB 4 m	HP-IB standard on host	Supplied with printer	HP-UX 5.1 SRM 2.0	BASIC, HPL and PASCAL do not support 2608S

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
9816 9817 9820 9826 9836 9837	2686A 2686D	Std 300	RS-232-C	None	Built in RS-232-C, 98626A, 98628A, 98644	17255D for I/F Opt 001 13242D for I/F Opt 002	BASIC 2.0* HP-UX 2.2 Pascal 2.1	HPL and SRM do not support 2686A
9816 9820 9826 9836 9837	2688A	850	HP-IB	8120-3449 HP-IB 8 m	Standard HP-IB Interface	Supplied with printer	Pascal 2.1 and HP Tex (33402A)	
HP 9835 A, B	2608A Discontinued 11/85	835	HP-IB	None	98034B HP-IB I/F 8 Cable from DCD	Included with I/F		98332A and 98337A ROMS req for graphics screen dump capability
HP 9845 A, B	2608A Discontinued 11/85	845	HP-IB	None	98034B HP-IB I/F 8 Cable from DCD	Included with I/F		98431A, 98432A, and 98470A ROMS req for graphics screen dump capability
HP 9845 A, B, T	2608S Discontinued 11/85	850	HP-IB	10833C HP-IB 4 m	Shared resource manager (9826) Opt 500	Supplied with Printer	SRM Release 2.0	Supported on Shared Resource Manager only
	2563A Discontinued 2/87 2563B, 2564B							

* Transfer support only on 98628A interface.



System Printers _____ **Technical Workstations**

COMBINATIONS			PRINTER				HOST	
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
HP 9000 Models 300, 310, 320, 330, 350	2686A 33440A	Std and 200	RS-232-C	None	98626A, 98628A, or 98644A	13242D	BASIC 4.0* HP-UX 5.0 Pascal 3.1	
HP 9000 Series 300	2563A** 2563B	200	HP-IB non-CIPER	HP-IB 4 m 10833C	HP-IB Standard on Host or 98624A	Supplied with Printer	BASIC 4.0 HP-UX 5.0 Pascal 3.1	
	2565A**	200	HP-IB non-CIPER	HP-IB 4 m 10833C	HP-IB Standard on Host or 98624A	Supplied with Printer	BASIC 5.0 HP-UX 5.1 Pascal 3.1	
	2563A** 2563B 2564B	290	HP-IB CIPER	HP-IB 4 m 10833C	HP-IB Standard on Host or 98624A	Supplied with Printer	HP-UX 5.0	
	2565A** 2566A** 2566B	290	HP-IB CIPER	HP-IB 4 m 10833C	HP-IB Standard on Host or 98624A	Supplied with Printer	HP-UX 5.1	
	2565A** 2566A** 2566B	049	RS-232-C	None			HP-UX 5.1	
HP 9000 Series 500	2608S Discontinued 11/85	290	HP-IB	HP-IB 4 m 10833C	27110A I/F Available from Roseville Division	Supplied with Printer	BASIC Rev 2 and HP-UX Rev 1	Graphics output using HP-UX or BASIC Op Sys 9000 AGP and user written program
HP 9000 Series 500	2687A Discontinued 3/86							
HP 9000 Series 500	2688A Discontinued 2/87							

* Transfer support only on 98628A interface.
 ** Discontinued products.

System Printers

Technical Workstations

COMBINATIONS		PLOTTERS		HOST					
Host	Plotters	Interface Type	Cable Sent with Plotter	Interface Required on Host	Cable Required	Host Requirements	Graphics** Software	Notes	
HP 9845B/C	9872C 7470A Opt 002‡ 7475A Opt 002 (See notes)	HP-IB	None	98034B HP-IB Interface	HP-IB cable integral part of interface Order extra 10833A/B/C/D as needed	—	Graphics presentations 09845-10540 for 9845B 09845-15230 for 9845C	Graphics presentations only indicates 9872C plotter Other plotters work without error	
HP 9000 Series 200	BASIC Models 216, 217, 220, 226, 236, 237	7440A Opt 002 7470A Opt 002‡ 7475A Opt 002 7510A* 7550A 7570A† 7580B Opt 051§ 7585B Opt 051§ 7586B Opt 051§ 7595A 7596A	HP-IB	None	HP-IB Interface standard	One 10833B sent with interface Order extra as needed	7580B/7585B/7586B: BASIC 2.0 or later 7440A: BASIC 3.0 or later All others: BASIC 2.1 or later 7510, 759X, 7570: BASIC 4.0	Graphics Presentations Rev C, Statistics Library, and HP-Draft 3.0 (Requires BASIC 3.0 on Models 220 & 236)	No roll feed support on 7586B Graphic PAC supports 747X only
	PASCAL Models 216, 217, 220, 226, 236, 237	7440A Opt 002 7470A Opt 002‡ 7475A Opt 002 7510A* 7550A 7570A† 7580B Opt 051§ 7585B Opt 051§ 7586B Opt 051§ 7595A 7596A	HP-IB	None	HP-IB Interface standard	One 10833B sent with interface Order extra as needed	7580B/7585B: PASCAL 2.0 or later 7440A: PASCAL 3.0 or later 7570, 759X: PASCAL 3.2 All others: PASCAL 2.1 or later		Only EGS/200 supports 7586B — No roll feed Picture Perfect and Diagraph require PASCAL 3.0
	HP-UX Models 217, 220, 236, 237	7440A Opt 002 7470A Opt 002‡ 7475A Opt 002 7510A* 7550A 7570A† 7580B Opt 051§ 7585B Opt 051§ 7586B Opt 051§ 7595A 7596A	HP-IB	None	HP-IB Interface standard	One 10833B sent with interface Order extra as needed	7470A/7580B/7585B: HP-UX 2.0 or later 7510, 7570, 7440A, 759X: HP-UX 5.1 or later All others: HP-UX 2.1 or later	Graphics/9000 DGL	Graphics/9000 provides graphics subroutines required for all graphics programming
	HPL Models 216, 226, 236	7440A Opt 002 7470A Opt 002‡ 7475A Opt 002 7510A* 7550A 7570A† 7580B Opt 051§ 7585B Opt 051§ 7586B Opt 051§	HP-IB	None	HP-IB Interface standard	One 10833B sent with interface Order extra as needed	7470A/7475A/7580B/ 7585B: HPL 1.0 or later All others: HPL 2.1	HPL-Plus is supplied by Structured Software Systems	

* 7510A set to paper format can be used as a 7550A, but no specific software support unless noted.

† Needs 17570A HP-IB cartridge.

‡ 7470A was discontinued 2-1-87.

§ 758X series was discontinued 10-1-87.

** See Plotter Software Directory.

COMBINATIONS		PLOTTERS		HOST					
Host		Plotters	Interface Type	Cable Sent with Plotter	Interface Required on Host	Cable Required	Host Requirements	Graphics** Software	Notes
HP 9000 Series 200	SRM Models 220, 226 236	7440A Opt 002 7510A* 7550A 7570A† 7580B Opt 051§ 7585B Opt 051§ 7586B Opt 051§ 7595A 7596A	HP-IB	None	HP-IB Standard for Model 226 Order Opt 500 for Model 220	One 10833B sent with interface Order extra as needed	See FSD Configuration Guide for SRM requirements	SRM 2.0 Plotter Spooling on BASIC 3.0 & PASCAL 2.1 7586B requires SRM 2.1 7510, 7440 require SRM 2.2 7570 requires SRM 3.0	—
HP 9000 Series 300 Models 310, 320, 350	BASIC Graphics	7440A Opt 002 7470A Opt 002 7475A Opt 002	HP-IB	None	HP-IB Standard on Host or 98624A	10833A/B/C/D	BASIC 4.0 or later PASCAL 3.1 or later HP-UX 5.0 or later PASCAL 3.2 and HP-UX 5.2 required for 759X support	See Plotter Software Directory	—
	Pascal DGL	7550A 7570A† 7580B§ 7585B§ 7586B§ 7595A 7596A							
	HP-UX DGL								
	HP-UX Atarbase								
HP 9000 Series 500	BASIC All Models	7440A Opt 002 7470A Opt 002‡ 7475A Opt 002 7510A* 7550A 7570A† 7580B Opt 059§ 7585B Opt 059§ 7586B Opt 059§ 7595A 7596A	HP-IB	None	27110A HP-IB Interface	One 10833B sent with interface Order extra as needed	7550A/7585B/7586B: BASIC 1.02 or later 747X, 7580: BASIC 1.0 or later 7440: BASIC 2.0	7510: Disspla, Tell-A-Graf	BASIC 3D Graphics HP-Design No long axis support on 7586B Page advance only
	HP-UX All Models								
HP 9000 Series 800 Models 825S, 825SRX, 840F, 850		7440A Opt 002 7470A Opt 002‡ 7475A Opt 002 7510A* 7550A 7570A† 7580B Opt 059§ 7585B Opt 059§ 7586B Opt 059§ 7595A 7596A	HP-IB	None	77110B HP-IB Interface	One 10833B sent with interface Order extra as needed	HP-UX 1.0		

* 7510A set to paper format can be used as a 7550A, but no specific software support unless noted.

† Needs 17570A HP-IB cartridge.

‡ 7470A was discontinued 2-1-87.

§ 758X series was discontinued 10-1-87.

** See Plotter Software Directory.

COMBINATIONS		TABLET		HOST					
Host	Graphics Tablet	Interface Type	Cable Sent with Plotter	Interface Required on Host	Cable Required	Host Requirements	Tablet Software	Notes	
HP 9845B/C	9111A Opt 045*	HP-IB	None	98034B HP-IB Interface	HP-IB cable integral part of interface Order extra 10833A/B/C/D as needed	—	EGS/45 CAP/45 and Tablet System Tools (HP 88100A — 9845B 88101A-9845C)	Tablet tools usable to create menus and drawings. Usable both interactively and programmatically	
HP 9000 Series 200	BASIC 2.0 or later Models 216, 217 220, 226 236, 237	9111A* Opt 026 for Model 226 Opt 036 for Model 236	HP-IB	None	HP-IB Interface standard	One 10833B sent with interface Order extra as needed	BASIC 2.1-3.0 Operating System	HP-Draft 3.0 on (Requires BASIC 3.0 Models 220 & 236). Utility Software from Series 200 Exchange Library	Opt 026 & 036 provide extended BASIC statements on 5.25 in. disc for tablet I/O
	PASCAL 2.0 or later Models 216, 217 220, 226 236, 237	9111A*	HP-IB	None	HP-IB Interface standard	One 10833B sent with interface Order extra as needed	PASCAL 2.1-3.0 Operating System	HP EGS on Models 220, 226, 236	—
	HP-UX 1.0 or later Models 217, 220, 236, 237	9111A*	HP-IB	None	Order separate HP-IB Interface (93624)	No cable sent with interface Order 10833A/B/C/D as needed	HP-UX 2.1 Operating System	Graphics/9000 DGL	Graphics/9000 provides graphics subroutines required for all graphics programming
HP 9000 Series 300 Models 310, 320, 350		9111A*	HP-IB	None	HP-IB Interface standard or 98624A	10833A/B/C/D	BASIC 4.0 or later HP-UX 5.0 or later Pascal 3.1 or later	HP EGS HP-UX DGL	
HP 9000 Series 500	BASIC Models 520, 530, 540, 550, 560	9111A Opt 059*	HP-IB	None	27110A HP-IB Interface	One 10833B sent with interface Order extra as needed	BASIC 1.0 or later HP-UX 2.0 or later Operating System	HP-Design	—

* 9111A Tablet was discontinued Dec. 1, 1986.

Tablets _____ Technical Workstations



Peripherals Configuration Guide

workstation discs							
color graphics printers							
workstation printers							
LaserJet printers							
scanners							
plotters							
tablets							

HP

PERSONAL COMPUTERS

COMBINATIONS		DISC DRIVE			HOST		
Host	Disc Drive	Maximum No. of Data Storage Systems	Type of Interface	Cables Sent with Disc	Interface and/or Cable Required	Host Requirements	Notes
HP Series 80, 9915	9122D/S 9133L* 9134L* 9153A 9154A	8/HP-IB Interface	HP-IB	None	HP-83/85/86A - 82937A HP-IB Interface HP-86B/87 - 45529 HP-IB Cable (or 10833) (86B and 87 ship with cable)	Data storage ROM 1. 00085-15001 Extended data storage ROMs 2. 00085-15013 3. 00087-15013 (See notes for required ROMs)	9122D/S 913xD/H/L 915xA/B HP-83A HP-85A/9915A HP-85B/9915B HP-86A/87A/XM HP-86B CP/M No No 2 3 3 No
The HP Portable The HP Portable PLUS	9114B 9122D/S 9127A† 9153A/B 9154A/B	8/HP-IL Loop	9114B: HP-IL All others: HP-IB	9114B: One HP-IL cable All others: None	All systems require 82167A/B/D HP-IL cables. All HP-IB drives require 10833 HP-IB cable and the HP 82169A HP-IB to HP-IL convertor (S/N 2406 and higher)	The required operating system is built-in for all drives.	Reference Application Note 5954-1143 for the use of the HP-IB drives. Cannot initialize IBM format with the 9127A. Can read/write HP format and PC-DOS 2.0/2.1 discs only. Can only format 16 MB of the 20 MB hard discs. (9153/54B)
HP Touch-screen PC (150B) HP Touch-screen Max (150B)	9122D/S 9127A† 9142A 9144A	8/HP-IB Interface	HP-IB	None	10833 HP-IB cable Note: Series 100 shipped with one HP-IB cable.	9142A and 9144A: Order Opt 150	The 9127A is to be used as an add-on only since software is distributed on 3½-inch media. For the 150B to support the 9153/54A, order upgrade 45849-63006.
HP Touch-screen II (150C) HP Touch-screen II Max (150C)	9122D/S 9123D 9127A† 9133L 9134L 9142A 9144A 9153A/B 9154A/B 9153C	8/HP-IB Interface	HP-IB	None	10833 HP-IB cable Note: Series 100 shipped with one HP-IB cable.	9142A and 9144A: Order Opt 150 For the 9133L and the 9134L use max sector size of 1024 in device configuration.	The 9127A is to be used as an add-on only since software is distributed on 3½-inch media. Option 001 (1K sectors) is recommended but not required for the 9133L and the 9134L.
HP 41 HP 71 HP 75	9114B	8/HP-IL Loop	HP-IL	One HP-IL cable	HP 41: 82160A HP-IL Module HP 71: 82401A HP-IL Module 82167A/B/D HP-IL cables	The required Op Sys is built into all hosts.	HP 41: Limited to 128 KB capacity. User's group utility, P/N 41-09114, extends data files to 630 KB.
HP Vectra	45811A 45812A 45816A/M 45817A 9122D/S 9134L 9142A 9144A 9154B	Internal: 1 20-MB disc and 2 floppies or 1 40-MB disc and 1 floppy External: 7 discs and 1 tape drive	Internal: Plug-in card through Vectra backplane. External: HP-IB	Internal: Cables are included External: None	Internal: None External: 88500A Disc and tape interface card (One HP-IB cable is sent with the card) Additional drives can use the same card but require an additional 10833 (HP-IB) cable	MS-DOS 3.X Software drivers for the external drives are sent with the 88500A card (Version 2.0 or greater is required)*	

* Set Config switch to 9 giving two units (1 volume each) of approximately 16 Mbytes each.

† The 9127A replaces the 9125S.

COMBINATIONS		DISC DRIVE			HOST					
Host	Disc Drive*	Maximum No. of Data Storage Systems	Type of Interface	Cables Sent with Disc	Interface and/or Cable Required	Host Requirements	Notes			
HP Series 80 9915	8290xM 9121D/S 9130A (HP 86A) 9133A/B 9134A/B 9135A 9133V 913xXV 9895A	9130A: 2/HP 86A Interface All others: 2/HP-IB Interface (9133's count as 2)	9130A: dedicated All others P-IB	9130A: Shipped with Interface Cable All others: None	HP 86A: Built-in only on 9130A HP 83/85/86A — 82937A HP-IB Interface HP 86B/87 — 45529 HP-IB cable (or 10833) (86B and 87 ship with cable)	HP 85B/86B built-in for all discs HP 83/85A/9915A: 00085-15001 Data storage ROM HP 86A/87 00087-15012 ROM required for 10 Mbyte support		HP 83 HP 85A CP/M	HP 85B HP 86B	HP 86A HP 87
							8290XM 9121D/S 9130A 913xA 913xA#010 9133V 9133V#004 913xXV#010 913xB 9895A	Yes No Yes No No Yes No No Yes Yes	Yes No Yes Yes Yes Yes Yes Yes Yes Yes	Yes 86A Yes Yes Yes W/ROM W/ROM Yes Yes
HP 120 HP 125 (Both discontinued 5/1/84)	8290xM 9133A/B 9134A/B 9133V 913xXV#010 9135A	2 Maximum (9133's and 9135 count as 2)	HP-IB	None	45529 HP-IB cable (or 10833) Note: One HP-IB cable is supplied with Series 100	913xA and 9133V#004: Op Sys A.01.20 or later Op Sys A.02.00 with Boot ROM 1818-3221 or later required for 913xB and 913xXV#010	The 913xB, 913xXV#010 and the 9133V are not recommended except for large file sizes that cannot be accommodated by the 9133V#004			
HP 150A HP 150B HP 150C	8290xM 9121D/S 9133A/B/D/H 9134A/B/D/H 9133V/XV 9134XV 9125S† 9135A	Up to eight HP-IB addresses	HP-IB	None	10833 HP-IB Cable (or 45529)	To support the 9125S† on the HP150A, order upgrade #45849-63006 The HP 150A must be upgraded to an HP 150B to use a 9133/34D	The 9135A cannot be the system data storage because software is distributed on 3½-inch media The 9133/34H is only supported on the HP 150C or an HP 150B upgraded with upgrade kit 45849-63006			
The HP Portable The HP Portable PLUS	8290xM 9121D/S 9133A/B/D/H 9134A/B/D/H 9133V 913xXV 9135A 9114A†† 9125S† 9895A	8/HP-IL Loop	HP-IB	None	All systems require 82167A/B/D HP-IL cables All HP-IB drives require 10833 HP-IB cable and the HP 81169A HP-IB to HP-IL convertor (S/N 2406 and higher)	The required operating system is built in for all drives	Reference Application Note 5954-1143 for the use of HP-IB drives Cannot initialize IBM format with the 9125S†. Can read/write HP format and PC-DOS 20/2.1 discs only Can only format 16 Mb of the 20 Mb hard discs (9133/34H)			
HP Vectra	45815A/K 45817M 9134H	Internal: 1 20 Mb disc and 2 floppies or 1 40 Mb disc and 1 floppy External: 7 discs and 1 tape drive	Internal: Plug-in card through Vectra backplane External: HP-IB	Internal: Cables are included (except for 45815K) External: None	Internal: None External: 88500A disc and tape interface card (one HP-IB cable is sent with this card) Additional drives can use card but require an additional 10833 (HP-IB) cable	MS-DOS 3.1 software drivers for the external drives are sent with the 88500A card (Version 2.0 or greater is required)	The 45815K disc controller board only.			

* 8290XM, 913xA/B, 9133V, 913xXV, 9125S, 9114A, 9135A, 9885 M/S, and the 9895A are no longer in production. Support life ends: 8290XM — 7-1-90; 913xA/B — 7-1-89; 9133V — 7-1-90; 913xXV — 7-1-90; 9125S — 6-1-90; 9114A — 1-1-91; 9135A — 7-1-89; 9885M/S — 8-1-94; 9895A — 8-1-91.

† The 9127A has replaced the 9125S.
†† The 9114B has replaced the 9114A.

Discontinued Workstation Discs _____ Personal Computers

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Type of Interface	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
Vectra PC	PaintJet 3630A	001	RS-232-C	None	24540A or 24541A	24542G (9-pin) for 24540A or 24541A (RS-232-C) 13242G (25-pin) for 24541A (RS-232-C/ RS-422-A)		
		002	HP-IB		88500A or 82990A	10833 A/B/C/D		
		004	Centronics Parallel		24540A	92219K		

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
Series 80 Models 85B 86B	2601A*/AR†	Std	RS-232-C	2601 Cable	82939A Serial I/F	Cable sent with printer or 13242N	HP-85B requires 00085-15002 Plotter/Printer ROM	
	2602A*	046	HP-IB	None	82937A HP-IB Interface & Cable required for HP-85B (cable built in)	10833 A, B, C, or D (86B only)		
	2603A	Std	RS-232-C	None	82393A Serial I/F	13242N		
	2671A* 2671G* 2673A*	Std	HP-IB	None	82937A HP-IB Interface & Cable required for HP-85B (cable built in)	10833 A, B, C, or D (86B only)		
	2932A/AR† 2934A/AR†	046						
	82905B* 82906A*	001 — 110V 002 — 120V 003 — 220V 004 — 240V						
	2225A/AR† 2227B	Std						
	2225B	Std	HP-IL	82167A (one each)	82938 HP-IL	Comes with printer		
	2225C 2227A 2228A	Std	Centronics	None	82949A Centronics	Comes with interface		
	2225D 2227A 2228A	Std	RS-232-C	None	82939A Serial I/F	13242G		

* 2601A, 2602A, 82905B, 2671A, 2671G, 2673A, and 82906A are no longer in production. Shown for reference only.
† AR versions are remarketed products available from FRD.

Workstation Printers _____ **Personal Computers**

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
Series 100 Portable Portable PLUS	2225B	Std	HP-IL	82167A	HP-IL Standard	Comes with host	—	—
	2225D	Std	RS-232-C	None	RS-232-C Standard	92221P	—	—
	2227A 2228A		Centronics and RS-232-C					
	2225P	Std	Centronics	None	Centronics	92219Z	—	(for Portable Vectra CS)
	2601A*	Std	RS-232-C	2601A Cable	RS-232-C Standard	92221P	—	2601A operates at 300 baud (Portable only)
	2602A*			None				
	2603A	Std	RS-232-C	None	RS-232-C Standard	92221P	—	—
	82905B*	140 240 340 440	RS-232-C	None	RS-232-C Standard	92221P	—	—
		148 248 348 448	HP-IL	82167A	HP-IL Standard	Comes with host	—	—
	82906A	Std	HP-IB	None	Portable/Portable PLUS only 82169A (HP-IL to HP-IB Converter)	10833 A, B, C or D	—	—

* 2601A, 2602A, and 82905B are no longer in production. Shown for reference only.

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
Series 100 Models Touchscreen PC Touchscreen II PC	82905B* 82906A	001 — 110V 002 — 120V 003 — 220V 004 — 240V	HP-IB	None	HP-IB & RS-232-C Both standard on Series 100	10833 A, B, C, or D for HP-IB 13242G for RS-232-C (included with 2601A Opt 242)		
	2602A*	046	HP-IB					
	2601A* 2602A*	Std	RS-232-C					
	2601A*	242	RS-232-C	13242G	None			
	2603A	Std	RS-232-C					
	2932A 2934A	046 Std	HP-IB RS-232-C					
	2674A*	Std	Internal Printer	Connection Internal	Standard	Internal to HP 150 A & B Only	—	—
	2235A 2235B	Std	RS-232-C HP-IB	None	HP-IB & RS-232-C Std	13242G 10833A, B, C	—	—
	2225A 2225B 2225C 2225D	Std Std Std Std	HP-IB HP-IL Centronics RS-232-C	None 82167B None None	HP-IB Std on Series 100 45643A Extended I/O 45643A Extended I/O RS-232-C Std on Series 100	10833 A, B, C, or D included 13242D 13242G	—	45643A Extended I/O has both HP-IL/Centronics I/F Cannot output print in terminal mode from Centronics port
	2227A 2228A	Std	RS-232-C	None	RS-232-C Std on Series 100	13242G	—	Select (in order) "QuietJet" or "ThinkJet" or "Special" in Device Config
	2227A 2228A	Std	Centronics	None	45643A Extended I/O	13242D	—	45643A Extended I/O has both HP-IL/Centronics I/F Cannot output print in terminal mode from Centronics port
	2227B	Std	HP-IB	None	HP-IB Std on Series 100	10833 A, B, C, D	—	—

* Products are discontinued. Shown for reference only (82905B, 2601A, 2602A, and 2674A).

Workstation Printers

Personal Computers

COMBINATIONS **PRINTER** **HOST**

Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
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Vectra PC	2225C	Std	Centronics	None	24540A	24540A	24542D (25-pin)	
	2227A	Std	Centronics	None	24540A	24540A	24542D (25-pin)	
	2228A	Std	Centronics	None	24540A	24540A	24542D (25-pin)	
	2225D	Std	RS-232-C	None	24540A	24542G (9-pin) for 24540A or 24541A (RS-232-C) 13242G for 24541A (RS-232-C/RS-422-A)		
	2227A	Std	RS-232-C	None	24540A	24542G (9-pin) for 24540A or 24541A (RS-232-C) 13242G for 24541A (RS-232-C/RS-422-A)		
	2228A	Std	RS-232-C	None	24540A	24542G (9-pin) for 24540A or 24541A (RS-232-C) 13242G for 24541A (RS-232-C/RS-422-A)		
	2235A/B/C/D	Std	RS-232-C	None	24540A	24542G (9-pin) for 24540A or 24541A (RS-232-C) 13242G for 24541A (RS-232-C/RS-422-A)		
	2601A*/AR†	826	RS-232-C	Opt 242 includes 13242G	24540A	24542G (9-pin) for 24540A or 24541A (RS-232-C) 13242G for 24541A (RS-232-C/RS-422-A)		
	2603A	Std	RS-232-C	None	24540A	24542G (9-pin) for 24540A or 24541A (RS-232-C) 13242G for 24541A (RS-232-C/RS-422-A)		
	2932A/AR†	Std	RS-232-C	None	24540A	24542G (9-pin) for 24540A or 24541A (RS-232-C) 13242G for 24541A (RS-232-C/RS-422-A)		
	2686A/AR†	Std	RS-232-C	None	24540A	24542G (9-pin) for 24540A or 24541A (RS-232-C) 13242G for 24541A (RS-232-C/RS-422-A)		
	2686A	300	RS-232-C	None	24540A	24542G (9-pin) for 24540A or 24541A (RS-232-C) 13242G for 24541A (RS-232-C/RS-422-A)		
	2686D	Std	RS-232-C	None	24540A	24542G (9-pin) for 24540A or 24541A (RS-232-C) 13242G for 24541A (RS-232-C/RS-422-A)		
	33440A	Std	RS-232-C	None	24540A	24542G (9-pin) for 24540A or 24541A (RS-232-C) 13242G for 24541A (RS-232-C/RS-422-A)		
	33440A LaserJet Series II	Std	RS-232-C	None	24540A	24542G (9-pin) for 24540A or 24541A (RS-232-C) 13242G for 24541A (RS-232-C/RS-422-A)		
	2684A, P, D	Std	RS-232-C	None	24540A	24542G (9-pin) for 24540A or 24541A (RS-232-C) 13242G for 24541A (RS-232-C/RS-422-A)		
2235A/C	Std	Centronics	None	24540A	24542D (25-pin)			
2686A	300	Centronics	None	24540A	24542D (25-pin)			
2686D	Std	Centronics	None	24540A	24542D (25-pin)			
33440A	Std	Centronics	None	24540A	24542D (25-pin)			
33440A LaserJet Series II	Std	Centronics	None	24540A	24542D (25-pin)			
2684A, P, D	Std	Centronics	None	24540A	24542D (25-pin)			
2932A/AR†	042	Centronics	5061-4001 Adapter	24540A	24542D (25-pin)			

* Product is no longer in production. † AR versions are remarketed products available from FRD. ‡ AR versions are remarketed products available from FRD. † AR versions are remarketed products available from FRD. ‡ AR versions are remarketed products available from FRD.

Workstation Printers **Personal Computers**

COMBINATIONS		PRINTER			HOST			
Host	Printer	Opt	Interface Type	Cable Sent with Printer	Printer Interface Required on Host	Cable Requirements	Host Requirements	Notes
Asian Vectra	41063B	Std	Centronics	None	24540A	24542D	MS-DOS 3.1 (English) MS-DOS 2.25 (Asian)	Both Asian and English mode support 41063B
		040	RS-232-C	None	24540A or 24541A	24542G	MS-DOS 3.1 (English)	Only English mode supports 41063B

Workstation Printers _____ Personal Computers

COMBINATIONS		PRINTER	HOST			
Host	Printer	Interface Type	Printer Interface Recommended on Host	Recommended Cables	Notes	Configuration Application Note
HP 150 Touchscreen	LaserJet LaserJet Plus LaserJet 500 Plus LasetJet Series II LaserJet 2000	RS-232-C		HP 13242-60010 16.7 ft (5 m) Male to Male Cable or HP 92219H 16 ft (5 m) Male to Male Cable (Xon/Xoff Only)	Connect from datacomm HP 150 port to printer interface connector	Part Number 5954-0797
HP 150 Touchscreen	LaserJet Plus LaserJet 500 Plus LasetJet Series II LaserJet 2000	Centronics Parallel	Parallel Port HP 95643A Extended I/O Accessory Card	HP 13242D 6.6 ft (2 m) Male to Female Cable		
HP Vectra	LaserJet LaserJet Plus LaserJet 500 Plus LasetJet Series II LaserJet 2000	RS-232-C	HP 24540A Serial/Parallel Interface or HP 24541A Dual RS-232-C/RS-422-A Interface	HP 24542G Male 9-Pin to Female 25-Pin Cable (3 m)		
HP Vectra	LaserJet Plus LaserJet 500 Plus LasetJet Series II LaserJet 2000	Centronics Parallel	HP 24540A Serial/Parallel Interface	HP 24542D (2 m) Male 25-Pin to Male 36-Pin Cable or HP 92219K 9 ft (2.3 m) Male to Male Cable		
The Portable/ Portable PLUS	LaserJet LaserJet Plus LaserJet 500 Plus LasetJet Series II LaserJet 2000	RS-232-C		HP 92221P	Connect from 9-pin serial connector port to printer interface connector	

COMBINATIONS		SCANNER	HOST		
Host	Scanner	Interface Type	Interface Required on Host	Host Requirements	Notes
HP Vectra	ScanJet 9190A	Bidirectional Centronics	88290A* (ScanJet Interface Kit for Personal Computers)	DOS 2.1/3.1 or above	Optional 20-page automatic document feeder (88190A)

* The ScanJet Interface Kit comes with an interface card, Bidirectional Centronics cable, and Scanning Gallery Software.

Scanners _____ Personal Computers

COMBINATIONS		PLOTTERS		HOST				
Host	Plotters	Interface Type	Cable Sent with Plotter	Interface Required on Host	Cable Required	Host Requirements	Graphics Software	Notes
HP-85B	7440A Opt 002 7470A Opt 002§ 7475A Opt 002 7510A† 7550A 7570A‡ 7580B Opt 058* 7585B Opt 058* 7586B Opt 058* 7595A 7596A	HP-IB	None	82937A HP-IB Interface	One cable comes with interface Order extra 10833A/B/C/D as needed	82936A ROM Drawer 00085-15002 Plotter/Printer ROM	HP 82801A Graphics Presentation PAC (Rev C — 7470: Graphics PAC not supported for 7475, 7510A, 7550, 7570A, or 758X)	Programming ability required without Graphics Presentation PAC Some Programs in Graphics Presentation PAC require simple modification to fit into HP-85B memory 758X Opt 058 provides programming guide for Series 80 computers
HP-86B with disc drive	7440A Opt 002 7470A Opt 002§ 7475A Opt 002 7510A† 7550A 7570A‡ 7580B Opt 058* 7585B Opt 058* 7586B Opt 058* 7595A 7596A	HP-IB	None	HP-IB Standard	No cables with interface Order one 10833A/B/C/D for plotter	82936A ROM Drawer 00087-15002 Plotter ROM	HP 82831A Graphics Presentation PAC (Rev C supports 7475A, 7580B, and 7585B) Opt 630 (3.5-inch) Opt 650 (5.25-inch)	Programming ability required without Graphics Presentation PAC 758X Opt 058 provides programming guide for Series 80 computers
Portable, Portable PLUS with disc drive	7470A Opt 003§	HP-IL	Required HP-IL cable included	HP-IL Standard	All provided (1 HP-IL cable comes with each device)	HP 9114A or B or HP-IB Drive and HP-IL/HP-IB Interface (82169A)	Lotus 1-2-3 (Rev 2.01) PrintGraph DISC	May also use HP-IB plotters (Opt 002) but requires HP-IL/HP-IB Interface (HP 82169A)
	7470A Opt 001§ 7475A Opt 001 7470A Opt 002§ 7475A Opt 002§	RS-232-C Standard (See notes for HP-IB support)	None	RS-232-C Standard	Order HP 92221P for RS-232-C Order 10833A and converter for HP-IB			
Integral PC	7440A Opt 002 7470A Opt 002§ 7475A Opt 002 7510A† 7550A 7570A 7580B* 7585B* 7586B* 7595A 7596A	HP-IB	None	HP-IB Standard	10833A/B/C/D	None		

* 758XB was discontinued Oct. 1, 1987.

† 7510A set to paper format can be used as a 7550A, but no specific software support.

‡ Needs 17570A HP-IB cartridge.

§ 7470A was discontinued Feb. 1, 1987.

COMBINATIONS		PLOTTERS		HOST				
Host	Plotters	Interface Type	Cable Sent with Plotter	Interface Required on Host	Cable Required	Host Requirements	Graphics Software	Notes
HP 150	7440A Opt 001 7470A Opt 001‡ 7475A Opt 001 7510A* 7550A 7570A 7580B Opt 052†† 7585B Opt 052†† 7586B Opt 052†† 7595A§ 7596A§	RS-232-C Direct	None	Two RS-232-C ports stancard	7440, 747X, 7570, 759X & 758X: 13242G or 17255M 7510A and 7550A: 17255D	MS-DOS 2.0 or later	For most current information: Plotter Software Directory 5954-8835 Technical Graphics Software 5954-8831 Business Graphics Software 5956-4243	HP 3000 Graphics Software: Supported HP-IB or eavesdrop Not supported off port 2 (No eavesdrop for 7440A)
	7440A Opt 002 7470A Opt 002‡ 7475A Opt 002 7510A 7550A 7570A† 7580B Opt 052†† 7585B Opt 052†† 7586B Opt 052†† 7595A§ 7596A§	HP-IB	None	HP-IB Standard	Order 10833A/B/C/D			
Vectra	7440A Opt 001 7470A Opt 001‡ 7475A Opt 001 7510A 7550A 7570A 7580B†† 7585B†† 7586B†† 7595A§ 7596A§	RS-232-C Direct	None	24540A/B Serial Card (or the 24541A/B Dual Serial Card)	Order 24542G cable for all except 7510A, 7550A: Order 24542H cable For AutoCAD 2.5 with hardware lock must use IBM serial adapter cable and 17255D or 17255F**	MS-DOS 3.1	For most current information: Plotter Software Directory 5954-8835 Technical Graphics Software 5954-8831 Business Graphics Software 5956-4243	
		HP-IB	None	88500A or 82990A	10833A/B/C/D††			

* 7510A set to paper format can be used as a 7550A, but no specific software support.

† Needs 17570A HP-IB cartridge.

‡ 7470A was discontinued Feb. 1, 1987.

§ 759X is also supported on HP Officeshare Release 2.

** AutoCAD 2.52 does not require the hardware lock.

†† 758XB series was discontinued Oct. 1, 1987.

‡‡ These are the cables that would be used in these configurations, but there is either no software support and/or testing of the configuration.

COMBINATIONS		TABLET		HOST				
Host	Graphics Tablet	Interface Type	Cable Sent with Tablet	Interface Required on Host	Cable Required	Host Requirements	Tablet Software	Notes
HP-85B	9111A Opt 085*	HP-IB	None	82937A HP-IB Interface	One cable comes with interface Order extra 10833A/B/C/D as needed	82936A ROM Drawer 00085-15002 Plotter/Printer ROM	—	Opt 085 provides a system tutorial and tablet tools for the HP-85
HP-86B with disc drive	9111A Opt 086*	HP-IB	None	HP-IB Standard	Order one 10833A/B/C/D for tablet	82936A ROM Drawer 00087-15002 Plotter ROM & 00087-15003 I/O ROM	—	Opt 086 provides Programming Guide for Series 80. Tablet utilities also available from Series 80 Users' Library
Integral PC	9111A Opt 086*	HP-IB	None	HP-IB Standard	Order one 10833A/B/C/D for tablet	Tech Basic 82865J 82988J 82989J	—	Opt 086 provides Programming Guide for HP-86
Vectra PC	7060A	RS-232-C	45911-60009 (1.5 m) and 45911-60007 (0.15 m)	24540A Serial/parallel card or 24541A dual serial card	9-pin connector: 45911-60009 (included) 25-pin connector: 45911-60009 and 45911-60007 (both included)	None	AutoCAD, VersaCAD, CADKEY, EasyCAD, FastCAD, Generic CADD, P-CAD See Software Set-up Instructions P/N 5954-8850	45911-60009 is pin compatible with HP 24542G (3 m) cable
	45911A	HP-HIL	HP-HIL	HP-HIL	Cable is supplied with tablet	HP-HIL Accessory D1171A is required on Vectra CS	AutoCAD VersaCAD	11 × 11 in. no 4-button cursor available

* 9111A Tablet was discontinued Dec. 1, 1986.

Peripherals Configuration Guide

workstation discs							
color graphics printers							
workstation printers							
LaserJet printers							
scanners							
plotters							
tablets							

Non-HP

PERSONAL COMPUTERS

COMBINATIONS		DISC DRIVE			HOST		
Host	Disc Drive	Maximum No. of Data Storage Systems	Type of Interface	Cables Sent with Disc	Interface and/or Cable Required	Host Requirements	Notes
IBM-PC IBM-XT IBM-AT	9134L 9142A/9144A 9154A/B*	9134L and 9154A: 8/HP-IB Interface 9142A/9144A: 1/HP-IB Interface*	HP-IB	None	88500A Disc and Tape Interface card (One HP-IB cable is sent with the card) Additional drives can use the same card but require an additional 10833 (HP-IB) cable	PC-DOS 2.0, 2.1, and 3.X Software drivers are sent with 88500A card*	The 88500A card only works with these discs and tapes*
Compaq Portable	9134L 9142A 9154A/B	9134L and 9154A: 8/HP-IB Interface 9142A: 1/HP-IB Interface	HP-IB	None	88500A Disc and Tape Interface card (One HP-IB cable is sent with the card) Additional drives can use the same card but require an additional 10833 (HP-IB) cable	MS-DOS 2.0 and 2.11 Software drivers are sent with 88500A card	The 88500A card only works with these discs and tape HP hard discs cannot be used as boot discs with MS-DOS 2.0
AT&T 6300 Olivetti- M24	9134L 9142A 9154A/B	9134L and 9154A: 8/HP-IB Interface 9142A: 1/HP-IB Interface	HP-IB	None	88500A Disc and Tape Interface card (One HP-IB cable is sent with the card) Additional drives can use the same card but require an additional 10833 (HP-IB) cable	MS-DOS 2.11 Must have Version 2.0 or greater of 88500A software	The 88500A card only works with these discs and tape

COMBINATION		PRINTER		HOST		
Host	Printer	Interface	Cable Sent with Printer	Interface Required on Host	Cable Recommended	Set-up Instructions
IBM PC & IBM PC/XT	PaintJet 3630A Opt. 004	Centronics Parallel	None	IBM Parallel Printer Interface	IBM Parallel Printer Cable or 92219K 9.0 ft (2.3 m) Male to Male Cable	P/N 5954-8785 or PaintJet User's Guide HP P/N 03630-90001
IBM PC/AT	PaintJet 3630A Opt. 004	Centronics Parallel	None	IBM Serial/Parallel Adapter (Use only Parallel Port w/Centronics I/O)	IBM Parallel Printer Cable or 92219K	P/N 5954-8784 or PaintJet User's Guide HP P/N 03630-90001
IBM PC, IBM PC/XT and IBM Personal System/2 30, 50, 60, 80	PaintJet 3630A Opt. 001	RS-232-C	None	IBM Asynchronous Communications Adapter (standard on PC-XT)	17255D 1.2 m	P/N 5954-8783 (IBM PC, PC/XT), P/N 5956-4232 (IBM PS/2), or PaintJet User's Guide HP P/N 03630-90001
IBM PC/AT	PaintJet 3630A Opt. 001	RS-232-C	None	IBM Serial/Parallel Adapter (Use only Serial Port w/Serial I/O)	24542G	5954-8782 or PaintJet User's Guide HP P/N 03630-90001

Color Graphics Printers _____ Non HP Personal Computers

COMBINATION		PRINTER		HOST		
Host	Printer	Interface	Cable Sent with Printer	Interface Required on Host	Cable Recommended	Set-up Instructions
AT&T 6300 Personal Computer	PaintJet 3630A Opt. 004	Centronics Parallel	None		HP 92219K	PaintJet User's Guide HP P/N 03630-90001
AT&T 6300 Personal Computer	PaintJet 3630A Opt. 001	RS-232-C	None		17255D	PaintJet User's Guide HP P/N 03630-90001
Apple II+* Apple IIe	PaintJet 3630A Opt. 001	RS-232-C	None	Apple Super Serial Card	17355M	None
Macintosh	PaintJet 3630A Opt. 001	RS-232-C	None	Built-in	92219M or Apple Image-writer Cable Apple P/N M0150	P/N 5954-8789 or PaintJet User's Guide HP P/N 03630-90001
Macintosh Plus	PaintJet 3630A Opt. 001	RS-232-C	None	Built-in	Apple M0199 and HP 92219M or Apple M0150	P/N 5954-8788 or PaintJet User's Guide HP P/N 03630-90001
Macintosh SE	PaintJet 3630A Opt. 001	RS-232-C	None	Built-in	Apple M0199 and HP 92219M or Apple M0150	P/N 5954-8788 or PaintJet User's Guide HP P/N 03630-90001
Macintosh II	PaintJet 3630A Opt. 001	RS-232-C	None	Built-in	Apple M0199 and HP 92219M or Apple M0150	P/N 5954-8788 or PaintJet User's Guide HP P/N 03630-90001
Olivetti	PaintJet 3630A Opt. 004	Centronics Parallel	None	Parallel Interface Adapter	HP 92219K	PaintJet User's Guide HP P/N 03630-90001

* Applesoft BASIC will not support raster graphics. Raster graphics can be done with languages such as PASCAL and C and certain software application packages.
Configuration provided for cabling information only.

COMBINATION		PRINTER		HOST			
Host	Printer*	Interface	Cable Sent with Printer	Interface Required on Host	Cable Recommended	Host Requirements	Switch Settings
IBM PC & IBM PC/XT	2225C 2227A 2228A 2235A/C 2276A	Centronics Parallel	None	IBM Parallel Printer Interface	IBM Parallel Printer Cable or 92219K or 24542D		Mode Switches: 6, 7 up on ThinkJet A6, A7 up on QuietJet
IBM PC jr	2225C 2227A 2228A	Centronics Parallel	None	IBM Parallel Printer Attachment	IBM Parallel Printer Cable or 92219K		Mode Switches: 6, 7 up on ThinkJet A6, A7 up on QuietJet
	2225P	Battery/ Centronics	None	IBM Parallel Printer Attachment	92219Z		6, 7 up on ThinkJet
IBM PC/AT	2225C 2227A 2228A 2235A/C 2276A	Centronics Parallel	None	IBM Serial/Parallel Adapter (Use only Parallel Port w/Centronics I/O)	IBM Parallel Printer Cable or 24542D or 92219K		Mode Switches: 6, 7 up on ThinkJet A6, A7 up on QuietJet
	2225P	Battery/ Centronics	None	IBM Serial/Parallel Adapter (Use only Parallel Port w/Centronics I/O)	92219Z		6, 7 up on ThinkJet
IBM Convertible	2225P	Battery/ Centronics Parallel	None	IBM Serial/Parallel Adapter (Use only Parallel Port w/Centronics I/O)	IBM Parallel Interconnect Cable or 92219Z		Mode Switches: 6, 7 up on ThinkJet A6, A7 up on QuietJet
IBM PC & IBM PC/XT	2225D 2227A 2228A 2235A/B/C/D 2276A	RS-232-C	None	IBM Asynchronous Communications Adapter	17255D (1 m) or 13242H (5 m)		Mode Switches: 6, 7 up on ThinkJet A6, A7 up on QuietJet RS-232-C Switches: 1 up on ThinkJet B2 up on QuietJet
IBM PC jr	2225D 2227A 2228A	RS-232-C	None	Built-in	IBM Adapter Cable for Serial Devices & 17255D or 13242H		Mode Switches: 6, 7 up on ThinkJet A6, A7 up on QuietJet RS-232-C Switches: 1 up on ThinkJet B2 up on QuietJet
IBM PC/AT	2225D 2227A 2228A 2235A/B/C/D 2276A	RS-232-C	None	IBM Serial/Parallel Adapter (Use Only Serial Port w/Serial I/O)	24542G		Mode Switches: 6, 7 up on ThinkJet A6, A7 up on QuietJet RS-232-C Switches: 1 up on ThinkJet B2 up on QuietJet

* Switch 5 on both ThinkJet and QuietJet printers will vary up or down depending on the software device selected. Generally, if the software has ThinkJet or QuietJet as a choice in the installation menu, switch 5 can be down. If the software does not have ThinkJet or QuietJet as a selection in a printed menu, choose Epson MX-80 and put switch 5 up.

Workstation Printers _____ Non HP Personal Computers

COMBINATION		PRINTER		HOST			
Host	Printer*	Interface	Cable Sent with Printer	Interface Required on Host	Cable Recommended	Host Requirements	Switch Settings
IBM Convertible	2225D 2227A 2228A	RS-232-C	None	IBM Serial/Parallel Adapter (Use only Serial Port w/Serial I/O)	17255D (1 m) or 13242H (5 m)		Mode Switches: 6, 7 up on ThinkJet A6, A7 up on QuietJet RS-232-C Switches: 1 up on ThinkJet B2 up on QuietJet
Apple II Apple II+ Apple IIe	2225C 2227A 2228A 2276A	Centronics Parallel	None	Apple II Parallel Interface Card or Grappier*	Apple 590-0042	Apple II Parallel I/O Card Settings: (4 & 5 on)	Mode Switches: 6 up on ThinkJet A6 up on QuietJet
Apple II Apple II+ Apple IIe	2225D 2227A 2228A 2276A	RS-232-C	None	Apple Super-serial Card	17355M or Apple 590-0037	Super-serial Card Settings: Left: 4, 6, 7 on Right: 1, 4, 5 on	Mode Switches: 6 up on ThinkJet A6 up on QuietJet RS-232-Switches: 1 up on ThinkJet B2 up on QuietJet
Apple IIc	2225D 2227A 2228A 2276A	RS-232-C	None	Built-in	92219N or Apple 590-0191-A		Mode Switches: 6 up on ThinkJet A6 up on QuietJet RS-232-Switches: 1 up on ThinkJet B2 up on QuietJet
Apple IIgs	2276A	RS-232-C	None	Built-in	Apple 590-0331 or HP 92219M and Apple 590-0341		
Macintosh	2225D 2227A 2228A	RS-232-C	None	Built-in	92219M or Apple Standard Mac Printer Cable	35177M JetStart	Mode Switches: 5 up on ThinkJet A5 up on QuietJet RS-232-Switches: 1 up on ThinkJet B2 up on QuietJet
Macintosh PLUS	2225D 2227A 2228A	RS-232-C	None	Built-in	Apple M0199 and 92219M	35177M JetStart (Ver. 2.5)	Mode Switches: 5 up on ThinkJet A5 up on QuietJet RS-232-Switches: 1 up on ThinkJet B2 up on QuietJet

* Switch 5 on both ThinkJet and QuietJet printers will vary up or down depending on the software driver selected. Generally, if the software has ThinkJet or QuietJet as a choice in the installation menu, switch 5 can be down. If the software does not have ThinkJet or QuietJet as a selection in a printed menu, choose Epson MX-80 and put switch 5 up.

COMBINATIONS		PRINTER	HOST			
Host	Printer	Interface Type	Printer Interface Recommended on Host	Recommended Cables	Notes	Configuration Application Note
IBM PC & PC/XT	LaserJet LaserJet Plus LaserJet 500 Plus LaserJet Series II LaserJet 2000	RS-232-C	Asynchronous Communications Adapter (Standard on the IBM PC/XT)	HP 17255D 3.3 ft (1 m) Male to Female Cable or HP 92219J 16 ft (5 m) Male to Female Cable		Part Number 5954-0796 Order from DMP*
IBM PC & PC/XT	LaserJet Plus LaserJet 500 Plus LaserJet Series II LaserJet 2000	Centronics Parallel		HP 24542D 6.6 ft (2 m) Male to Male Cable or HP 92219K 9 ft (2.3 m) Male to Male Cable		
IBM PC/AT	LaserJet LaserJet Plus LaserJet 500 Plus LaserJet Series II LaserJet 2000	RS-232-C	IBM PC/AT Serial/Parallel Adapter	HP 24542G Special Male 25-Pin to Female 9-Pin RS-232-C Cable		Part Number 5954-0785
IBM PC/AT	LaserJet Plus LaserJet 500 Plus LaserJet Series II LaserJet 2000	Centronics Parallel	IBM PC/AT Serial/Parallel Adapter	HP 24542D 6.6 ft (2 m) Male to Male Cable or HP 92219K 9 ft (2.3 m) Male to Male Cable		
IBM PCjr	LaserJet LaserJet Plus LaserJet 500 Plus LaserJet Series II LaserJet 2000	RS-232-C		IBM 8600026 Male 25-Pin to Female 9-Pin Cable and HP 17255D Male to Female Cable	Baud rate on LaserJet can only be configured 300-4800	

*Direct Mail Projects 1-800-FOR-HPPC

LaserJet Printers _____ Non-HP Personal Computers

COMBINATIONS		PRINTER	HOST			
Host	Printer	Interface Type	Printer Interface Recommended on Host	Recommended Cables	Notes	Configuration Application Note
Wang PC	LaserJet LaserJet Plus LaserJet 500 Plus LaserJet Series II LaserJet 2000	RS-232-C		HP 13242G Special RS-232-C Male to Male Cable	Some applications such as Multiplan, Lotus 1-2-3 or BASIC may not print on LaserJet without a special third-party driver	Part Number 5954-0792
Apple IIe	LaserJet LaserJet Plus LaserJet 500 Plus LaserJet Series II LaserJet 2000	RS-232-C	Apple Super Serial Card Connector in Card Slot 2 (Apple P/N A2B0044)	HP 17355M Male to Male Cable		Part Number 5954-0794
Apple Macintosh	LaserJet LaserJet Plus LaserJet 500 Plus LaserJet Series II LaserJet 2000	RS-232-C		HP 92219M Male 9-Pin to Male 25-Pin 5 ft (1.5 m)	Requires Third Party Driver. LaserStart HP P/N 35178M Order from DMK \$95.00	
Apple III	LaserJet LaserJet Plus LaserJet 500 Plus LaserJet Series II LaserJet 2000	RS-232-C	Apple Modem Eliminator Cable (Apple P/N A3M0019)	HP 17355M Male to Male Cable	RS-232-C Serial Driver Configuration Needs Modification	Part Number 5954-0795
COMPAQ Portable	LaserJet LaserJet Plus LaserJet 500 Plus LaserJet Series II LaserJet 2000	RS-232-C	Asynchronous Communications Adapter (RS-232-C Serial Card)	HP 17255M Male to Male Cable		Part Number 5954-2269

COMBINATIONS		PRINTER	HOST			
Host	Printer	Interface Type	Printer Interface Recommended on Host	Recommended Cables	Notes	Configuration Application Note
COMPAQ Portable	LaserJet Plus LaserJet 500 Plus LaserJet Series II LaserJet 2000	Parallel		HP 24542D Male 25-Pin to Male 36-Pin Cable		
DEC: Rainbow 100	LaserJet LaserJet Plus LaserJet 500 Plus LaserJet Series II LaserJet 2000	RS-232-C		HP 17355M RS-232-C Male to Male Cable		Part Number 5954-0793
AT&T PC 6300	LaserJet LaserJet Plus LaserJet 500 Plus LaserJet Series II LaserJet 2000	RS-232-C	RS-232-C is a standard interface on the AT&T PC 6300	HP 17255D 3.3 ft (1 m) Male to Female Cable or HP 92219J 16 ft (5 m) Male to Female Cable	Needs MS-DOS Version 2.11 Release 1.1	Part Number 5954-2281
AT&T PC 6300	LaserJet Plus LaserJet 500 Plus LaserJet Series II LaserJet 2000	Centronics Parallel	Parallel Interface is standard on the AT&T PC 6300	HP 24542D 6.6 ft (2 m) Male to Male Cable or HP 92219K 9 ft (2.3 m) Male to Male Cable		

LaserJet Printers _____ Non-HP Personal Computers

COMBINATIONS		SCANNER	HOST		
Host	Scanner	Interface Type	Interface Required on Host	Host Requirements	Notes
IBM PC/XT IBM PC/AT	ScanJet 9190A	Bidirectional Centronics	88290A* (ScanJet Interface Kit for Personal Computers)	DOS 2.1/3.1 or above	Optional 20-page automatic document feeder (88190A)

* The ScanJet Interface Kit comes with an interface card, bidirectional Centronics cable, and Scanning Gallery Software.

COMBINATIONS		PLOTTERS		HOST				
Host	Plotters	Interface Type	Cable Sent with Plotter	Interface Required on Host	Cable Required	Host Requirements	Graphics Software	Notes
IBM PC, PC-XT IBM Personal System/2 Models 30, 50, 60, 80	7440A Opt 001 7470A Opt 001† 7475A Opt 001 7510A 7550A 7570A 7580B Opt 065* 7585B Opt 065* 7586B Opt 065* 7595A 7596A	RS-232-C	Standard cable included with 758X not used in this config.	IBM Asynchronous Communications Adapter (Standard with System/2)	74XX, 7570A, & 758X, 759X Cable: HP 17255D 7550A & 7510A Cable: HP 17255F	Color Graphics Adapter & Graphics Monitor for Screen Graphics (Standard with System/2)	For most current information: Plotter Software Directory 5954-8835 Technical Graphics Software 5954-8831 Business Graphics Software 5956-4342	
IBM AT	7440A Opt 001 7470A Opt 001† 7475A Opt 001 7510A 7550A 7570A 7580B Opt 065* 7585B Opt 065* 7586B Opt 065* 7595A 7596A	RS-232-C	Standard cable included with 758X not used in this config.	Serial/Parallel Adapter standard on IBM-AT	Standard 9-pin Connector 74XX, 7570A, & 758X, 759X Cable: HP 24542G 7550A & 7510A Cable: HP 24542H For 25-pin Async. Comm. Adapter use cables for IBM PC-XT above	Color Graphics Adapter & Graphics Monitor for Screen Graphics	Many IBM PC-XT packages also work with IBM AT Consult software supplier for details	See IBM PC & PC-XT listing for software support
IBM PC jr	7440A Opt 001 7470A Opt 001† 7475A Opt 001 7510A 7550A 7570A	RS-232-C	None	IBM Asynchronous Communications Adapter	Order 2 cables: IBM Serial Device Adapter Cable plus: 74XX, 7570A: 17255D 7510A, 7550A: 17255F	Monitor	Many IBM PC packages also work with PC jr Consult software supplier for details	

* 758XB series was discontinued Oct. 1, 1987.

† 7470A was discontinued Feb. 1, 1987.

‡ For more software support, refer to list for IBM PC & PC/XT.

Plotters _____ Non-HP Personal Computers

COMBINATIONS		PLOTTERS		HOST				
Host	Plotters	Interface Type	Cable Sent with Plotter	Interface Required on Host	Cable Required	Host Requirements	Graphics Software	Notes
Apple IIe with Disk II	7440A Opt 001 7470A Opt 001† 7475A Opt 001 7550A 7570A	RS-232-C	None	Apple Super Serial Card (A2B0044)	74XX, 7570A Cable: HP 17355M 7550A Cable: HP 17355D	—	See Plotter Software Directory (P/N 5954-8835)	
Apple IIc	7440A Opt 001 7470A Opt 001† 7475A Opt 001 7550A 7570A	RS-232-C	None	RS-232-C Interface standard Must configure IIc port for communications mode — port 2 recommended	74XX, 7570A: HP P/N 92219N 7550A: HP P/N 92219N plus HP 92222F or HP 17355F* ‡	—	Many Apple IIe packages also work with the IIc. Consult software supplier for details	
Macintosh Macintosh Plus Macintosh SE Macintosh II	7440A Opt 001 7470A Opt 001† 7475A Opt 001 7510 7550A 7570A 7580B§ 7585B§ 7586B§ 7595A 7596A	RS-232-C	None	RS-232-C Interface standard	Macintosh:* 74XX, 7570A: 92219M 7550A: 92219M plus HP 17355F Mac Plus, Mac SE, Mac II:* 74XX, 7570, 758X: 92219M plus Apple M0199. 7550A: 7550 to Mac Plus, Mac SE, Mac II Cabling: 92219M plus Apple M0199 plus HP 17355F‡	—	MacMatrix Software Matrix (P/N 5954-8837).	
COMPAQ	7440A Opt 001 7470A Opt 001† 7475A Opt 001 7510A, 7550A, 7570A 7580B Opt 065 7585B Opt 065 7586B Opt 065 7595A 7596A	RS-232-C	None	Asynchronous Communications Adapter	Same as corresponding IBM model	—	Many IBM PC packages also work on the Compaq. Consult software supplier for details.	See IBM PC & PC-XT listing for software support

* See Set-up Guide P/N 5954-8842 for 74XX and 7570A.

† 7470A was discontinued Feb. 1, 1987.

‡ If the HP 17355F (1 m) is too long, HP 92224F can be ordered instead.

§ 758X series was discontinued Oct. 1, 1987.

COMBINATIONS		PLOTTERS		HOST				
Host	Plotters	Interface Type	Cable Sent with Plotter	Interface Required on Host	Cable Required	Host Requirements	Graphics Software	Notes
AT&T PC 5300	7440A Opt 001 7470A Opt 001* 7475A Opt 001 7510A 7550A 7570A 758XB† 7595A 7596A	RS-232-C	None	Serial communications port standard	758X, 7570 and 74XX Cable: HP 17255D 7510, 7550A Cable: HP 17255F	—	See Plotter Software Directory (P/N 5954-8835)	See IBM PC & PC-XT Listing for software support
T.I. Pro	7440A Opt 001 7470A Opt 001* 7475A Opt 001 7510A 7550A 7570A 758XB† 7595A 7596A	RS-232-C	None	Synchronous/asynchronous communications board (T.I. #2223238-0001)	758X, 7570 and 74XX Cable: HP 13242G or 17255M 7510, 7550A Cable: HP 17255D	—	See Plotter Software Directory (P/N 5954-8835)	
DEC: 100 Rainbow	7440A Opt 001 7470A Opt 001* 7475A Opt 001 7510A 7550A 7570A 758XB† 7595A 7596A	RS-232-C	None	Serial printer port standard	758X, 7570 and 74XX Cable: HP 17355M 7510, 7550A Cable: HP 17355D	—	See Plotter Software Directory (P/N 5954-8835)	
DEC: 350 PIRO	7440A Opt 001 7470A Opt 001* 7475A Opt 001 7510A 7550A 7570A 758XB† 7595A 7596A	RS-232-C	None	Serial printer port standard	758X, 7570 and 74XX: DEC BCC05 & HP 92224M 7510, 7550A Cable: DEC BCC05	—	See Plotter Software Directory (P/N 5954-8835)	
WANG PC	7440A Opt 001 7470A Opt 001* 7475A Opt 001 7510A 7550A 7570A 758XB† 7595A 7596A	RS-232-C	None	Asynchronous serial port	758X, 7570 and 74XX Cable: HP 13242G or 17255M 7510, 7550A Cable: HP 17255D	—	See Plotter Software Directory (P/N 5954-8835)	

* 7470A was discontinued Feb. 1, 1987.

† 758XB series was discontinued Oct. 1, 1987.

Plotters Non-HP Personal Computers

COMBINATIONS		TABLET		HOST				
Host	Graphics Tablet	Interface Type	Cable Sent with Tablet	Interface Required on Host	Cable Required	Host Requirements	Tablet Software	Notes
COMPAQ	7060A	RS-232-C	45911-60009 (1.5 m) and 45911-60007 (0.15 m)	Asynchronous Communications Adapter	Same as corresponding IBM model	Same as corresponding IBM model	See Software Set-up Instructions, HP P/N 5954-8850	
IBM PC, PC-XT IBM Personal System/2 Models 30, 50, 60, 80	7060A	RS-232-C	45911-60009 (1.5 m) and 45911-60007 (0.15 m)	IBM Asynchronous Communications Adapter (Standard with IBM PS/2)	45911-60009 and 45911-60007 (both included)	Color Graphics Adapter and Graphics Monitor for Screen Graphics (Standard with PS/2)	See Software Set-up Instructions, HP P/N 5954-8850	
IBM AT	7060A	RS-232-C	45911-60009 (1.5 m) and 45911-60007 (0.15 m)	Serial/parallel adapter standard on IBM AT	Standard 9-pin connector: 45911-60009 (included) Additional 25-pin Asynchronous Communications Adapters: 45911-60009 and 45911-60007 (both included)	Color Graphics Adapter and Graphics Monitor for Screen Graphics	See Software Set-up Instructions, HP P/N 5954-8850	45911-60009 is pin compatible with HP 24542G (3 m) cable

Appendix A

Commercial Tape Drive Options

HP 3000 Series III

7970B: 7970B and 7970BR no longer in production after November 1, 1986. 7970ER/BR available as remarketed products from FRD.

7970E: 7970E and 7970ER no longer in production after November 1, 1986. 7970ER/BR available as remarketed products from FRD.

7976AR: NO LONGER IN PRODUCTION (NOT ORDERABLE).

HP 3000 Series 30/33

7970E: 7970E and 7970ER no longer in production after November 1, 1986. 7970ER/BR available as remarketed products from FRD.

7976AR: NO LONGER IN PRODUCTION (NOT ORDERABLE).

HP 3000 Series 37/Micro 3000

7974A/AR: See 7974A options in the HP 3000 39, 40/42, 44/48, 58, 64/68, 70 section below.

7978A: NO LONGER IN PRODUCTION (NOT ORDERABLE).

7978B/BR: See 7978B options in the HP 3000 39, 40/42, 44/48, 58, 64/68, 70 section below.

9144A/AR: No options available.

35401A: No options available.

7979A: See 7979A options in the HP 3000 39, 40/42, 44/48, 64/68, 70 section below.

7980A: See 7980A options in the HP 3000 39, 40/42, 44/48, 64/68, 70 section below.

HP 3000 Series 39, 40/42, 44/48, 58, 64/68/70

7970E: 7970E and 7970ER no longer in production after November 1, 1986. 7970ER/BR available as remarketed products from FRD.

7974A/AR:

1600 cpi drive with HP-IB interface:

Upright cabinet

7974A/AR

800/1600 cpi drive with HP-IB interface:

Upright cabinet

7974A Option 800

7976AR: NO LONGER IN PRODUCTION (NOT ORDERABLE).

7978A: NO LONGER IN PRODUCTION (NOT ORDERABLE).

7978B/BR:

1600/6250 cpi drive with HP-IB interface:

Upright cabinet

7978B

Without cabinet (OEM only)

7978B Option 135

9144A/AR: No options available.

35401A: No options available.

7979A:

1600 cpi drive with HP-IB interface:

1 metre high cabinet

7979A

Second drive installation in same cabinet

7979A #133

Without cabinet (OEM only)

7979A #135

Allows installation of 7936/37 in bottom of cabinet

7979A #137

7979A to 7980A upgrade (adds 6250)

88703A

Upgrade kit to allow installation of 7936/37 in bottom of cabinet

88704A

7980A:

6250/1600 cpi drive with HP-IB interface:

1 metre high cabinet

7980A

Second drive installation in same cabinet

7980A #133

Without cabinet (OEM only)

7980A #135

Allows installation of 7936/37 in bottom of cabinet

88704A

Appendix A (Continued)

Technical Tape Drive Options

HP 1000 Series M,E,F (Operating under RTE-6/VM, RTE-IVB, RTE-IVE, RTE-M, RTV-II)

7970B/BR: 7970B and 7970BR no longer in production after November 1, 1986. 7970ER/BR available as remarketed products from FRD.

7970E/ER: 7970E and 7970ER not in production after November 1, 1986. 7970ER/BR available as remarketed products from FRD.

7974A/AR: Requires; 93741A & RTE-6/VM Options (see above)

7976AR: NO LONGER IN PRODUCTION (NOT ORDERABLE).

7978A: NO LONGER IN PRODUCTION (NOT ORDERABLE).

7978B/BR: Requires 93741A & RTE-6/VM Options (see above).

HP 1000 A Series

(Operating under RTE-A.1)

7970E/ER: 7970E and 7970ER not orderable after November 1, 1986. 7970ER available as remarketed products from FRD.

7974A/AR: Requires RTE-A & A.84 Options (see previous page)

7976AR: NO LONGER IN PRODUCTION (NOT ORDERABLE).

9144A/AR: Requires A.84 version of RTE-A (performance improvements with B.85)

HP 9000 Series 200,300,500

9144A/AR: No options available

S200 — Basic 2.0 with extensions or 3.0 or later Pascal 2.1 or 3.0 or later

S300 — Basic 4.0 or HP-UX 5.0 or Pascal 3.1

S500 — Basic 2.0 or HP-UX 4.0

35401A: No options available

S200 — Basic 4.0, Pascal 3.1, or HP-UX 5.1

S300 — Basic 4.0, Pascal 3.1, or HP-UX 5.1

S500 — HP-UX 5.0

7974A/AR:

S300/500 — HP-UX 4.0 or greater Options (see previous page)

S500 — Basic 2.0

7978B/BR:

S300 — HP-UX 5.0 or greater Options (see previous page)

S500 — HP-UX 4.0 or greater

Tape Drive Upgrade Kits

26072A: 7970E Parallel to HP-IB Conversion Kit.

Converts master 7970E with parallel differential interface to HP-IB. Order when upgrading 3000 Series II/III to Series 3x/4x/6x or 1000 Series M/E/F to A series. Contains: HP-IB assembly, 6 m HP-IB cable, power sequencer, jumper wires, fan assembly, fan cables, miscellaneous cables, miscellaneous hardware, and installation instructions. Price includes CE installation.

Order standard kit for conversion of 7970E in lo-boy cabinet.

Option 001:

Deletes fan assembly and fan cables. Order when converting 7970E in upright cabinet. If customer has tape drive in old Series II/III cabinet, they must also order 26078A kit. (Old cabinet does not provide sufficient cooling or counter balances for UL approval.) If customer has 2000 M/E/F with tape unit and additional equipment racked in the same cabinet, heat dissipation requirements must be investigated.

Appendix A (Continued)

Tape Drive Upgrade Kits(Continued)

Option 002:

Adds new read mother board (part number 07970-62392). Order when converting 7970E drive with serial number less than 1822Axxxxx. For drives with serial number above 1822Axxxxx, existing board will be modified.

Note: Tape drive in lo-boy cabinet cannot be converted to upright cabinet. The two cabinets require different tape transport castings.

26072A Option H01: 7970E HP-IB to HP-IB Conversion Kit.

Order when upgrading 3000 Series 30/33 to Series 39/4x/6x and tape drive serial number is less than 2034Axxxxx. Contains: new HP-IB assembly (part number 07970-62417). Inspect tape unit prior to ordering option since many older units have already been upgraded through normal service activity.

88700A: 7974A NRZI Upgrade Kit.

Converts single density drive (1600 cpi) to dual density (1600/800 cpi). Contains dual density read/write head, and NRZI formatting board.

88702A: 7978A to 7978B Upgrade Kit.

Converts the 7978A to the 7978B with performance enhancements. Contains new master controller, new upper reel motor, EOT/BOT harness assembly and miscellaneous hardware.

88703A:

Converts 7979A to 7980A by adding 6250 (GCR) capability. Contains new master controller board, display window, and miscellaneous hardware.

88704A:

7936 or 7937 installation kit for installation below 7979A or 7980A in 1 metre high cabinet. Includes new front panel and miscellaneous hardware.

Appendix B

System Disc Accessories and Field Upgrades

	Description	Available From
Cabinets		
19511A	Two drive cabinet for 7936/37	DMD
HP-IB Cables		
10833A	1 m (3.3 ft HP-IB cable)	DMK
10833B	2 m (6.6 ft HP-IB cable)	DMK
10833C	4 m (13.2 ft HP-IB cable)	DMK
10833D	0.5 m (1.6 ft HP-IB cable)	DMK
Rackmount Kits for the 19" EIA Cabinet		
19500B	7941/45A/57A/58A	9153/4A, 9153/4B
19501A	7942/46A	9153C
19507A	7907A	9133/4L
19512A	7936/37	9122S/D
Media		
97935A	7935 (404 Mbyte) pack	DMK
97907A	7907 (20.5 Mbyte) cartridge	DMK
88140SC	16.7 Mbyte tape cartridge	DMK
88140LC	67 Mbyte tape cartridge (Note: 7908/11/12/14/42/46 and 9144A tape media)	DMK
793X Conversions		
97935K*	Converts 7933 to 7935	DMD
97930XP*	Adds Controller Cache to 7933/35	DMD
97520XP	Adds Controller Cache to 7936/37	DMD

*Off CPL 12-1-87. Order parts from Corp. Parts Center.

Appendix C

Cabinets Supplied by Disc Memory Division

FEATURES	19511A	19514A	7914ST Cabinet
Description & Features	Desk height cabinet for 7936/37. Rack slides and filler panels are included. Holds 1 or 2 7936/37 disc drives or 1 7936/37 disc drive and 1 35401A tape drive.	Cabinet that holds up to 8 7936/37 disc drives. "8 Pack"	Std 19" EIA cabinet. 29453 "Rosebud" series cabinet. Specifically built for 7974/7914R combinations.
Availability/Ordering Information	On CPL	On CPL	Not available as a stand-alone cabinet; comes only with 7974 tape.
Dimensions	H: 28.4" (720 mm) W: 14.8" (375 mm) D: 31.9" (810 mm)	H: 63.0" (1600 mm) W: 35.4" (900 mm) D: 32.5" (825 mm)	H: 63.0" (1600 mm) IH: 56.4" (1433 mm) W: 23.6" (600 mm) D: 31.5" (800 mm)
Options/Comments	Option 208: Receptacle/Power tap for 60Hz 208 volt operation.	Requires 208/254 VAC power source.	The 7914ST opt 027 shown below requires a special quote from the Peripheral SRC.

DISC DRIVE SUPPORT INFORMATION

7914R H: 12.2" (310 mm) W: 19.0" (482 mm) D: 29.3" (744 mm)			Supported Configurations: 7974 (7914ST opt 027); 7974, 7914R; 7974, 7914R opt 140; 7974, 7914R, 7914R opt 140; 7974, some A-series CPUs (no micros); 7974, A-series CPU, 7914R or 7914R opt 140
7936/37 H: 10.7" (272 mm) W: 12.8" (325 mm) D: 29.2" (741 mm)	R: Order separately. S: Fully supported. C: Two.	R: Order separately. S: Fully supported. C: Eight.	

TAPE DRIVE SUPPORT INFORMATION

7974 H: 24.0" (609 mm) W: 19.0" (482 mm) D: 15.7" (400 mm)			S: Fully supported. Tape drive comes with cabinet.
35401A H: 10.2" (260 mm) W: 12.8" (325 mm) D: 22.6" (575 mm)	R: Requires 9122S rack mount kit. S: Fully supported. M: One 35401A and one 7936/37 disc drive.		

Cabinets Supplied by Data Systems Division

FEATURES	29431G	93561V	29429A	29402C
Description & Features	Std 19" EIA cabinet. Used for racking the HP 1000 CPU and their peripherals. Two-chambered cabinet top has a fan.	7914ST cabinet without front and back doors or PDU. 29453 "Rosebud" series cabinet. Used in some technical environments to rack four 7936/37 disc drives. Needs local CE approval.	Std 19" EIA cabinet. Desk height, low profile cabinet. Used primarily for 219XD HP 1000s.	Std 19" EIA cabinet. Contains a PDU and a fan. Used primarily for ATS systems (supported by AMSO).
Availability/Ordering Information	On CPL	Order from DSD via HP 1000 product line SRC. (408) 257-8811	On CPL	On CPL
Dimensions	H: 63.4" (1613 mm) IH: 55.0" (1397 mm) W: 25.0" (635 mm) D: 32.0" (813 mm)	H: 63.0" (1600 mm) W: 23.6" (600 mm) D: 31.5" (800 mm)	H: 29.0" (737 mm) IH: 23.0" (584 mm) W: 24.5" (622 mm) D: 32.0" (813 mm)	H: 64.3" (1632 mm) IH: 56.0" (1422 mm) W: 21.0" (533 mm) D: 30.0" (762 mm)
Options/Comments	Only the 7906MR opt 025 and 791XR drives have been tested and are supported. Other discs can be made to fit at the users own risk.	This is a special cabinet for the 7936/37. Recommended for lab or mfg. environments due to aesthetics.		While discs will physically fit in this cabinet, none are tested or approved for support (either alone or with other equipment).

PDU: Power distribution unit
H: Height
IH: Internal height

W: Width
D: Depth
R: Requirements

S: Support status
C: Capacity
M: Miscellaneous information

opt: Option number

Appendix C (Continued)

Cabinets Supplied by Data Systems Division (Continued)

DISC DRIVE SUPPORT INFORMATION

FEATURES	29431G	93561V	29429A	29402C
7907A H: 6.9" (174 mm) W: 12.8" (325 mm) D: 19.2" (488 mm)	R: 19507A rack kit S: NOT TESTED IN CABINET. CUSTOMER USE AT OWN RISK!			
7914R H: 12.2" (310 mm) W: 19.0" (482 mm) D: 29.3" (744 mm)	R: 29431G opt 053 (vented door) C: One S: Supported with certain HP 1000 CPUs. Get local CE approval. M: Rack kit is included with 7914R disc drive.		S: Supported with certain HP 1000 CPUs. Obtain local CE approval. C: One M: 7914R is placed in the bottom of the cabinet. Rack kit is included with 7914R disc drive.	
7936/37 H: 10.7" (272 mm) W: 12.8" (325 mm) D: 29.2" (741 mm)		R: 19512A rack kit. S: Obtain local CE approval. C: Four.		
7941/45/57/58 H: 5.2" (132 mm) W: 12.8" (325 mm) D: 11.2" (285 mm)	R: 19500B rack kit. S: NOT TESTED IN CABINET. CUSTOMER USE AT OWN RISK!			
7942/46 H: 82.0" (208 mm) W: 12.8" (325 mm) D: 11.2" (285 mm)	R: 19501A rack kit. S: NOT TESTED IN CABINET. CUSTOMER USE AT OWN RISK!	R: 19512A rack kit. S: Obtain local CE approval. C: Four.		
7957B/58B/59B H: 5.2" (132 mm) W: 12.8" (325 mm) D: 11.2" (285 mm)	R: 19500B rack kit (DMD) +12679C rack rails (DSD) S: NOT TESTED IN CABINET. CUSTOMER USE AT OWN RISK!			
7961B/62B/63B H: 5.2" (132 mm) W: 12.8" (325 mm) D: 22" (554 mm)	R: 19560B rack kit (DMD) +12679C rack rails (DSD) S: NOT TESTED IN CABINET. CUSTOMER USE AT OWN RISK!			

TAPE DRIVE SUPPORT INFORMATION

7979/80 (dim. without shroud) H: 8.7" (221 mm) W: 19.0" (482 mm) D: 15.7" (400 mm)	R: 7979/80 opt 135 S: NOT TESTED IN CABINET. CUSTOMER USE AT OWN RISK!		R: 7979/80 opt 135 S: NOT TESTED IN CABINET. CUSTOMER USE AT OWN RISK!	
9144 H: 5.2" (132 mm) W: 12.8" (325 mm) D: 11.2" (285 mm)	R: 19500A kit. S: NOT TESTED IN CABINET. CUSTOMER USE AT OWN RISK!		R: 19500A kit. S: NOT TESTED IN CABINET. CUSTOMER USE AT OWN RISK!	
35401A H: 10.2" (260 mm) W: 12.8" (325 mm) D: 22.6" (575 mm)	R: 35490A kit. S: NOT TESTED IN CABINET. CUSTOMER USE AT OWN RISK!		R: 35490A kit. S: NOT TESTED IN CABINET. CUSTOMER USE AT OWN RISK!	

PDU: Power distribution unit
H: Height
IH: Internal height

W: Width
D: Depth
R: Requirements

S: Support status
C: Capacity
M: Miscellaneous information

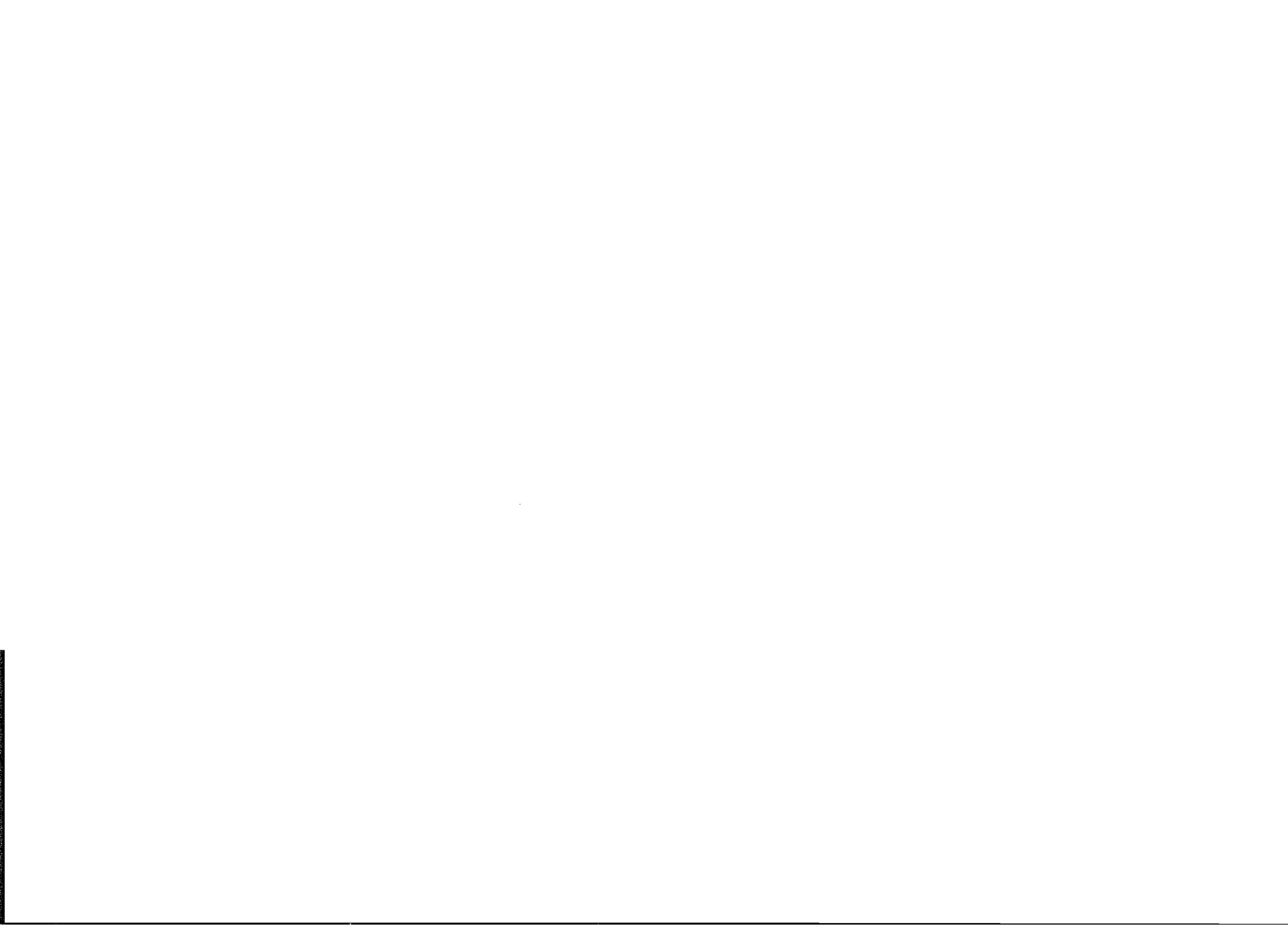
opt: Option number

Appendix C (Continued)

Cabinets Supplied by Direct Marketing Division				Cabinets Supplied by Greeley Tape Operations	
FEATURES	92211R	92211L	92211M	7974/78 Cabinet	7979/80 Cabinet
Description & Features	Design Plus mobile mini-rack cabinet for modular HP peripherals. Series 37 and Micro 3000 use this cabinet.	Design Plus mobile support cabinet. Includes two sets of mounting rails and cable routing kit.	Design Plus small mobile support cabinet. Includes one set of mounting rails and cable routing kit.	Cabinet designed to rack ONLY one 7974 or one 7978 tape drive.	Holds one 7979/80 tape drive and one 7936/37 disc drive or two 7979/80 tape drives.
Availability/Ordering Information	On CPL. In Computer Users Catalog.	On CPL. In Computer Users Catalog.	On CPL. In Computer Users Catalog.	Not available as a stand-alone cabinet; comes only with 7974/78 tape drive.	On CPL. Cabinet sold as part of tape drive.
Dimensions	H: 28.4" (720 mm) (22 D+U) W: 14.8" (375 mm) D: 28.0" (711 mm)	H: 24.4" (620 mm) (20 D+U) W: 16.7" (425 mm) IW: 12.8" (325 mm) D: 20.7" (525 mm)	H: 17.1" (435 mm) (13 D+U) W: 16.7" (425 mm) IW: 12.8" (325 mm) D: 16.7" (425 mm)	H: 63.0" (1600 mm) W: 23.6" (600 mm) D: 30.7" (780 mm)	H: 39.4" (1000 mm) W: 23.6" (600 mm) D: 31.5" (800 mm)
Options/Comments	Height measured in Design Plus Units (D+U). One D+U = 1.02" (26 mm). Accessories available: 92211T — filler panel kit, 92199B — power strip	Height measured in Design Plus Units. (D+U) One D+U = 1.02" (26 mm)	Height measured in Design Plus Units. (D+U) One D+U = 1.02" (26 mm)	Only supports drives originally shipped in cabinet.	For standalone cabinet without the tape drive contact DMK. This will not be available until late 1987.
DISC DRIVE SUPPORT INFORMATION					
7936/37 H: 10.7" (272 mm) W: 12.8" (325 mm) D: 29.2" (741 mm)					R: Requires special hardware from GTO. S: Q4 1987 C: One 7936/37 disc drive and one 7979/80 tape drive or two 7979/80 tape drives.
7941/45/57/58 H: 5.2" (132 mm) W: 12.8" (325 mm) D: 11.2" (285 mm)	R: 92211S rail kit. S: Fully supported. C: One disc = 5 D+U	S: Fully supported. C: One disc = 5 D+U	S: Fully supported. C: One disc = 5 D+U		
7942/46 H: 82.0" (208 mm) W: 12.8" (325 mm) D: 11.2" (285 mm)	R: 92211S rail kit. S: Fully supported. C: One disc = 8 D+U	S: Fully supported. C: One disc = 8 D+U	S: Fully supported. C: One disc = 8 D+U		
7957B/58B/59B H: 5.2" (132 mm) W: 12.8" (325 mm) D: 11.2" (285 mm)	R: 92211S rail kit. S: NOT TESTED. CUSTOMER USE AT OWN RISK. C: One disc = 5 D+U		R: 92211S rail kit. S: NOT TESTED. CUSTOMER USE AT OWN RISK. C: One disc = 5 D+U		
7961B/62B/63B H: 5.2" (132 mm) W: 12.8" (325 mm) D: 22" (554 mm)	R: 92211S rail kit. S: NOT TESTED. CUSTOMER USE AT OWN RISK.	S: Not supported.	S: Not supported.		
PDU: Power distribution unit H: Height IH: Internal height		W: Width D: Depth D+U: Design Plus Unit	R: Requirements S: Support status C: Capacity	M: Miscellaneous information opt: Option number	

Appendix C (Continued)

Cabinets Supplied by Direct Marketing Division				Cabinets Supplied by Greeley Tape Operations													
FEATURES	92211R	92211L	92211M	7974/78 Cabinet	7979/80 Cabinet												
TAPE DRIVE SUPPORT INFORMATION																	
7974 H: 24.0" (609 mm) W: 19.0" (482 mm) D: 15.7" (400 mm)				Drive is shipped in cabinet. Only one drive per cabinet.													
7978 H: 24.0" (609 mm) W: 19.0" (482 mm) D: 15.7" (400 mm)				Drive is shipped in cabinet. Only one drive per cabinet.													
7979/80 (dim. without shroud) H: 8.7" (221 mm) W: 19.0" (482 mm) D: 15.7" (400 mm)					C: Two M: Order second tape drive as 7979/80 opt 133.												
9144 H: 5.2" (132 mm) W: 12.8" (325 mm) D: 11.2" (285 mm)	R: 92211S rail kit. S: Fully supported. C: One drive = 5 D+U	S: Fully supported. C: One drive = 5 D+U	S: Fully supported. C: One drive = 5 D+U														
35401A H: 10.2" (260 mm) W: 12.8" (325 mm) D: 22.6" (575 mm)	R: 92211S rail kit. S: Fully supported. C: One drive = 5 D+U	S: Fully supported. C: One drive = 10 D+U	S: Fully supported. C: One drive = 10 D+U														
<table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">PDU: Power distribution unit</td> <td style="width: 25%;">W: Width</td> <td style="width: 25%;">R: Requirements</td> <td style="width: 25%;">M: Miscellaneous information</td> </tr> <tr> <td>H: Height</td> <td>D: Depth</td> <td>S: Support status</td> <td>opt: Option number</td> </tr> <tr> <td>IH: Internal height</td> <td>D+U: Design Plus Unit</td> <td>C: Capacity</td> <td></td> </tr> </table>						PDU: Power distribution unit	W: Width	R: Requirements	M: Miscellaneous information	H: Height	D: Depth	S: Support status	opt: Option number	IH: Internal height	D+U: Design Plus Unit	C: Capacity	
PDU: Power distribution unit	W: Width	R: Requirements	M: Miscellaneous information														
H: Height	D: Depth	S: Support status	opt: Option number														
IH: Internal height	D+U: Design Plus Unit	C: Capacity															



Peripherals Configuration Guide

workstation discs						
system discs						
tape drives						
workstation printers						
LaserJet printers						
scanners						
system printers						
plotters						
tablets						

CABLE GUIDE

Cable Guide

The objective of the following guide is to provide a quick way to ascertain which cable you need to connect a peripheral with a host system.

The guide provides information in two different ways:

1. Find the connecting cable in the **Cable Matrices** that are organized in the same order as the front sections of the *Peripherals Configuration Guide*.
2. Determine the necessary pin outs from the information in the **Cable Pin Outs** section (this is organized by cable part number from lowest to highest).

In addition, we include a general "Rules of Thumb" and information section to apply to plotters and printers using the RS-232-C interface.

General "Rules of Thumb"

For HP Cable Numbers:

All RS-232-C cables for HP workstation printers and plotters to both HP and Non-HP hosts have a 5 digit number plus a letter suffix, i.e., 13242G.

1. Cables beginning with:
 - a. 13 specify a Non RFI shielded cable (13242G)
 - b. 17 specify a special configuration cable (17455A)
 - c. 24 specify a Vectra/IBM AT compatible cable (24542G)
 - d. 40 specify a shielded cable with RFI filtering (40242G)
2. Cables ending with:
 - a. 222 specify a 50-pin RS-232-C connector for HP terminals (13222G)
 - b. 232 specify an edge card connector for 264X terminals (13232G)
 - c. 242 specify two 25-pin RS-232-C connectors (13242G)
 - d. 255 specify a 25-pin to 25-pin cable with lines 2 and 3 crossed
 - e. 355 specify a 25-pin to 25-pin cable with all 25 lines straight through
 - f. 542 specify a Vectra or IBM AT compatible 9-pin connector to 25-pin connector (24542G)
3. Cables ending with the letter:
 - a. 132XX and 24542 **G** ends in MALE connector for the peripheral
H ends in FEMALE connector for the peripheral
D ends in MALE connector for the peripheral
 - b. 17X55 **F** FEMALE to FEMALE
M MALE to MALE
D MALE to FEMALE

For HP Printers and Plotters with RS-232-C interfaces:

1. All have a FEMALE connector and require a MALE connector from the cable EXCEPT the 7550 and 7510.

The 7550 and 7510 come standard with two RS-232-C connectors, one is MALE and one is FEMALE. The 7550 and 7510 utilize the MALE connector and require a FEMALE connector from the cable.

The 758X and 759X come standard with two RS-232-C connectors, both are FEMALE and require a MALE connector from the cable.
2. If there are two DTE "modem eliminator protocol" devices being connected, then lines 2 and 3 are crossed in the cable. If the plotter or printer which is DTE is connected to a DCE interface, then lines 2 and 3 are not crossed. (For DTE/DCE descriptions, see DTE/DCE section that follows.)
3. All have 25-pin connectors.

Cable Guide (Continued)

4. All current HP terminals and PC's (except the Vectra and Portables), also have a FEMALE connector and require a MALE connector from the cable. They use DTE "modem eliminator protocol" (see DTE/DCE explanation).

A terminal requires a straight through connection. A PC requires "modem eliminator protocol."

The Vectra has a 9-pin RS-232-C connector that is FEMALE and requires a MALE 9-pin connector on the cable. The Vectra also offers a 25-pin connector that is FEMALE and requires a MALE connector on the cable.

The Portable has a 9-pin RS-232-C FEMALE connector and requires a 9-pin MALE connector.

5. For an extension cable, a 25-pin to 25-pin straight-through cable is required. These are listed in the DMK/CSO **Computer User's Catalog** under "Extender Cables" (31391A/B/F or 17355D/F/M).

Other options for longer cables:

- a. find a cable within HP that offers the same pin outs but is longer by referring to **Cable Pin Outs** in the back of this guide
 - b. make a cable by contacting the DMK/CSO region contact to find out the correct parts list
6. A U.S.A./European-modem cable (i.e. 13242N or 40242N) cannot be used for a non-U.S.A./European-modem connection because the pin outs are not the same.

For Non-HP hosts with RS-232-C interfaces:

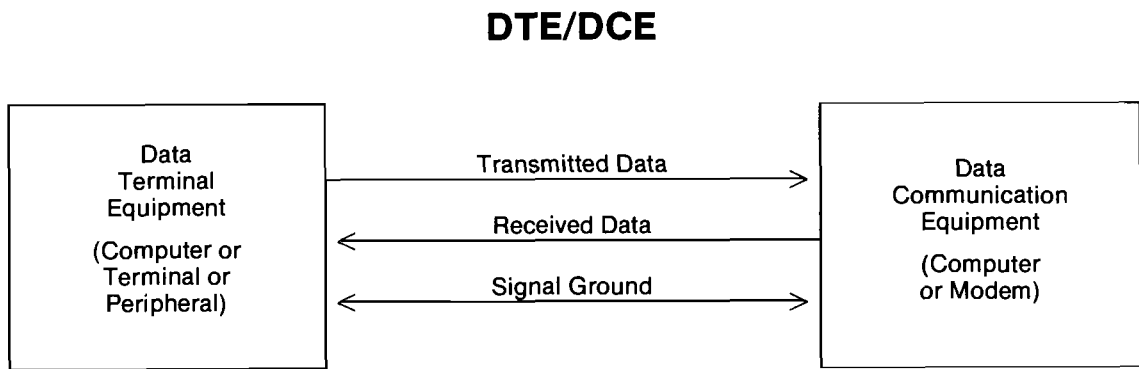
1. IBM PC/XT and "True Compatibles" offer a 25-pin RS-232-C MALE connector with DTE protocol requiring a FEMALE connector on the cable.
2. IBM PC/AT and "True Compatibles" offer a 9-pin RS-232-C MALE connector requiring a FEMALE connector on the cable.
3. DEC VAX system specifics to interface plotters, please refer to:
"Connecting a DEC VAX to an HP Plotter or Film Recorder", Plotter Note #14/App Note 229-14, P/N 5954-7133.
4. IBM Mainframes utilize EBCDIC instead of ASCII and require protocol converters. For specifics to interface plotters, please refer to:
"Protocol Converters: Linking HP Graphics Peripherals with IBM Networks/Systems"; Plotter note #11/App Note 229-11, P/N 5953-9874, June 1985.
"Using Your HP Plotter with an IBM Mainframe/For ISSCO Software Users"; App note 350-1, P/N 5954-7174, January 1987.
"Using Your HP Plotter with an IBM Mainframe/For SAS/GRAPH Software Users"; App note 350-3, P/N 5954-9748, January 1987.

Other Considerations:

Besides cabling, the following software compatibilities are required:

1. When interfacing a printer, the host system software must support HP Printer Command Language (PCL). PCL has escape sequences or commands that evoke specific functions of the printer.
 - a. for software support of the LaserJet Series, please refer to:
"LaserJet Family Software and Hardware Solutions" guide, P/N 5954-7318.
 - b. for support of the JetSeries printers please refer to:
"JetSeries Printers Software Reference Guide", P/N 5954-6987.
2. When interfacing a plotter, the host system software must support the HP Graphics Language (HP-GL) and the HP plotter escape sequences. These escape sequences evoke specific functions of the plotter to enable it to communicate effectively with the host. The HP-GL commands evoke the graphics functions of the plotter.
 - a. for software support of plotters, please refer to:
"Software Directory for HP Graphics Plotters and Film Recorders", P/N 5954-7168(D).
3. Some hosts do not communicate in ASCII, like the IBM Mainframes. These require a "protocol converter" dependent upon either the system used or the software used.

Cable Guide (Continued)



Data Terminal Equipment (DTE) is a device at any location in a network where information can enter or exit. Examples of DTE are:

1. terminals
2. computers
3. printers
4. plotters

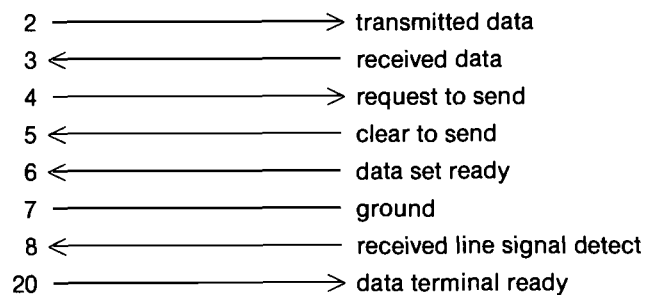
Data Communication Equipment (DCE) is a device used to convey information between locations. Examples of DCE are:

1. modems
2. modem interfaces
3. communication links (telephone lines, for example)

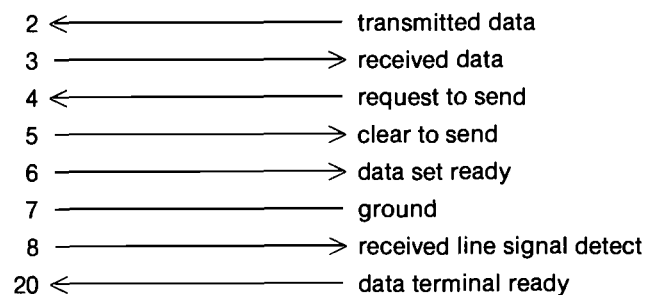
According to the RS-232-C standard, DTE should have a MALE connector and DCE should have a FEMALE connector.

Note that these standards are not adhered to by all equipment manufacturers, so some devices, such as serial printers, are configured as either DTE or DCE, depending on the manufacturer. Hewlett-Packard does meet these standards.

DTE (Flow of Information)



DCE (Flow of Information)

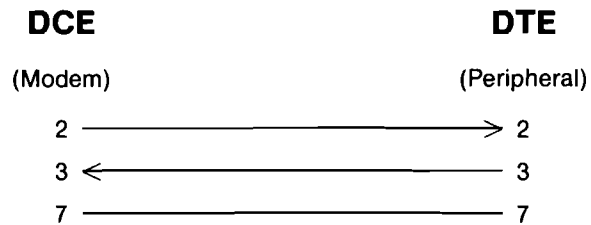


Cable Guide (Continued)

Not all lines are used in HP peripherals. These diagrams only show what the definition of DTE/DCE type interfaces are.
An example of a DTE device connected to a DTE device with no handshaking lines follows:



An example of a DTE device connected to a DCE device with no handshaking lines follows:



Cable Guide (Continued)

RS-232-C Function Table

This table contains the RS-232-C functions, listed by pin number, as specified by the EIA RS-232-C standard. Note that these pins are defined from the viewpoint of the Data Terminal Equipment.

Pin	Function
1	Protective Ground. Electrical equipment frame and ac power ground.
2	Transmitted Data. Data transmitted to DCE from the DTE.
3	Received Data. Data received by the DTE from the DCE.
4	Request To Send. Indicates to the DCE that the DTE is ready to transmit data.
5	Clear To Send. Indicates to the DTE that the DCE is ready to transmit data.
6	Data Set Ready. Indicates to the DTE that the DCE is not in a test mode and that it has power ON.
7	Signal Ground. Establishes common reference between the DCE and DTE.
8	Received Line Signal Detect. Indicates to the DTE that the DCE is receiving carrier signals from the sending DCE. (Also called Data Carrier Detect.)
9	Reserved for test.
10	Reserved for test.
11	Unassigned.
12	Secondary Received Line Signal Detect. Indicates to the DTE that the DCE is receiving secondary carrier signals from the sending DCE.
13	Secondary Clear To Send. Indicates to the DTE that the DCE is ready to transmit signals via the secondary channel.
14	Secondary Transmitted Data. Data transmitted to the DCE from the DTE on a secondary channel.
15	Transmitter Signal Element Timing. Signal from the DCE to the DTE to provide signal element timing information.
16	Secondary Received Data. Data from the DCE's secondary channel to the DTE.
17	Receiver Signal Element Timing. Signal to the receiving DTE to provide signal element timing information.
18	Unassigned.
19	Secondary Request To Send. Indicates to the DCE that the DTE is ready to transmit data via the secondary channel.
20	Data Terminal Ready. Indicates to the DCE that the DTE is ready to receive and transmit data.
21	Signal Quality Detect. Signal from the DCE telling whether a defined error rate in the received data has been exceeded.
22	Ring Indicator. Signal from the DCE indicating that a ringing signal is being received over the line.
23	Data Signal Rate Selector. Selects one of two signaling rates in DCE having two rates.
24	Transmit Signal Element Timing. Transmit clock provided by the DTE.
25	Unassigned.

Peripherals Configuration Guide

workstation discs					
system discs					
tape drives					
color graphics printers					
workstation printers					
LaserJet printers					
system printers					
plotters					
tablets					

HP 250
HP 260
HP 3000

COMMERCIAL SYSTEMS

Workstation Discs

Commercial Systems

DISC DRIVES		HOST					
		250	260	3000 30/33, 40/40SX, 44/64, 39/42/48/68	3000 37	3000 40/40SX, 44/64, 39/42/48/68	
9133D	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
9133H	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
9133L	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
9134D	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
9134H	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
9134L	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
9134XV	HP-IB	10833 A/B/C/D					
9144A	HP-IB				10833 A/B/C/D	45529 or 10833 A/B/C/D	
9153B	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
9154B	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
9895A	HP-IB			45529 or 10833 A/B/C/D			

System Discs

Commercial Systems

DISC DRIVES		HOST					
		250	260	250/260 SERIES 30/40	3000	3000 SERIES III	3000 30/33
7906H/HR*	HP-IB	10833 A/B/C/D					
7906M/MR* MS/MW	HP-IB	10833 A/B/C/D					10833 A/B/C/D
7906S/SR* SS/SW	16 BIT	13013B-003: MULTI-UNIT 13213B-002: DATA			13013B-003: MULTI-UNIT 13213B-002: DATA		13013B-003: MULTI-UNIT 13213B-002: DATA
7908P/R*	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
7911P/R	HP-IB	10833 A/B/C/D	10833 A/B/C/D				10833 A/B/C/D
7912P/R PR/RR	HP-IB			10833 A/B/C/D			10833 A/B/C/D
7914CT*	HP-IB						
7914P/R	HP-IB						
7914ST	HP-IB						
7914TD	HP-IB						
7914TR	HP-IB						
7920M/R*	16 BIT				10833 A/B/C/D	13013 A/B/C/D	10833 A/B/C/D
7920S/R*	16 BIT				13013B-003: MULTI-UNIT 13213B-002: DATA	13013B-003: MULTI-UNIT 13213B-002: DATA	13013B-003: MULTI-UNIT 13213B-002: DATA
7925M/R* Opt. 102	HP-IB				10833 A/B/C/D	13013 A/B/C/D	10833 A/B/C/D
7925S/R*	16 BIT				13013B-003: MULTI-UNIT 13213B-002: DATA	13013B-003: MULTI-UNIT 13213B-002: DATA	13013B-003: MULTI-UNIT 13213B-002: DATA
7933H/R*	HP-IB					10833 A/B/C/D	10833 A/B/C/D
*Discontinued							

System Discs

Commercial Systems

DISC DRIVES		HOST					
		250	260	250/260 SERIES 30/40	3000	3000 SERIES III	3000 30/33
7933XP*	HP-IB						
7933XR*	HP-IB						
7935H**	HP-IB						
7935HR	HP-IB						
7935XP	HP-IB						
7936H	HP-IB						
7936XP	HP-IB						
7937H	HP-IB						
7937XP	HP-IB						
7941A*	HP-IB			10833 A/B/C/D			
7942A	HP-IB			10833 A/B/C/D			
7945A/AR*	HP-IB			10833 A/B/C/D			
7946A	HP-IB			10833 A/B/C/D			
7957/58A/AR	HP-IB			10833 A/B/C/D			

*Discontinued

**New products available from FRD.

System Discs

Commercial Systems

DISC DRIVES		HOST					
		3000 37	3000 39/40/42/ 42XP/52	3000 44/48/58	3000 68/70	3000 MICRO 3000	3000 MICRO 3000XE
7906H/HR*	HP-IB						
7906M/MR* MS/MW	HP-IB						
7906S/SR* SS/SW	HP-IB						
7908P/R	HP-IB						
7911P/R	HP-IB		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		
7912P/R PR/RR	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		
7914CT*	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		10833 A/B/C/D
7914P/R	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		10833 A/B/C/D
7914ST*	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		10833 A/B/C/D
7914TD*	HP-IB		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		
7914TR*	HP-IB		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		
7920M/R*	HP-IB		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		
7920S/R*	16 BIT			13013B-003: MULTI-UNIT 13213B-002: DATA	13013B-003: MULTI-UNIT 13213B-002: DATA		
7925M/R*	HP-IB		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		
7925S/R*	16 BIT			13013B-003: MULTI-UNIT 13213B-002: DATA	13013B-003: MULTI-UNIT 13213B-002: DATA		
7933H*	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		10833 A/B/C/D
7933HR	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		10833 A/B/C/D
*Discontinued							

System Discs

Commercial Systems

DISC DRIVES	HOST					
	3000 37	3000 39/40/42 42XP/52	3000 44/48/58	3000 68/70	3000 MICRO 3000	3000 MICRO 3000XE
7933XP*	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D
7933XR	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		10833 A/B/C/D
7935H**	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		10833 A/B/C/D
7935HR	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		10833 A/B/C/D
7935XP**	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		10833 A/B/C/D
7935XR	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		10833 A/B/C/D
7936H	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D
7936XP	HP-IB				10833 A/B/C/D	10833 A/B/C/D
7936H/XP	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		10833 A/B/C/D
7937H	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D
7937XP	HP-IB				10833 A/B/C/D	10833 A/B/C/D
7937H/XP	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		10833 A/B/C/D
7941A*	HP-IB					
7942A	HP-IB					
7945A/AR*	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D
7946A	HP-IB					
7957/58A/AR	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D

*Discontinued

**New disc drive available from FRD.

Tape Drives

Commercial Systems

TAPE DRIVES		HOST					
		3000 III/IIIR	3000 30/33	3000 37	3000 39/40/42	3000 44/48/58/ 64/68/70	3000 MICRO 3000
35401A	HP-IB			10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	
39401A	HP-IB						10833 A/B/C/D
7970B	HP-IB		10833 A/B/C/D				
	Parallel Diff	30215A					
7970E	HP-IB				10833 A/B/C/D	10833 A/B/C/D	
	Parallel Diff	30215A					
7974A	HP-IB			10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D
7976A	HP-IB	10833 A/B/C/D	10833 A/B/C/D		10833 A/B/C/D	10833 A/B/C/D	
7978A	HP-IB			10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D
7978B	HP-IB			10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D
7979A	HP-IB			10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D
7980A	HP-IB			10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D
9144A	HP-IB CS80			10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D

Tape Drives

Commercial Systems

TAPE DRIVES		HOST					
		3000 MICRO 3000XE					
35401A	HP-IB	10833 A/B/C/D					
39401A	HP-IB						
7970B	HP-IB						
	Parallel Diff						
7970E	HP-IB						
	Parallel Diff						
7974A	HP-IB	10833 A/B/C/D					
7976A	HP-IB						
7978A	HP-IB	10833 A/B/C/D					
7978B	HP-IB	10833 A/B/C/D					
7979A	HP-IB	10833 A/B/C/D					
7980A	HP-IB	10833 A/B/C/D					
9144A	HP-IB CS80	10833 A/B/C/D					

Color Graphics Printers

Commercial Systems

PRINTERS		HOST					
		250*	260*				
PaintJet 3630A Opt. 001	RS-232-C	13242N/M	13242N/M				

*PaintJet is not supported on these systems. This is for cabling information only.

Workstation Printers

Commercial Systems

PRINTERS		HOST					
		250	260	ALL 3000	3000 SERIES III	3000 30	3000 30/33
2225D	RS-232-C	13242N/M	13242N/M				
2227A	RS-232-C	13242N/M	13242N/M				
2228A	RS-232-C	13242N/M	13242N/M				
2235A/B	RS-232-C	13242N/M	13242N/M				
2602A	RS-232-C	13242N/M	13242N/M	13242N	13242N	13242N	13242N
2603A	RS-232-C	13242N/M	13242N/M				
2932A		Not supported	Not supported				
	RS-422-A	45114A					
	RS-232-C	13242N/M					
2934A	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
	RS-422-A						
	RS-232-C	13242N/M	13242N/M				
82905B*	RS-232-C	8120-3258	8120-3258				

*Discontinued

Workstation Printers

Commercial Systems

PRINTERS		HOST					
		3000 30-68	3000 30-68 ATP	3000 30-68 ADCC	3000 37/39/4X/ 5X/6X MICRO 3000/3000XE ATP	3000 37/39/4X/ 5X/6X MICRO 3000/3000XE ADCC	3000 39-68 MTS
2225D	RS-232-C						
2235A/B/C/D	RS-232-C		13242Y or 13242X	13242Y	13242Y or 13242X	13242Y	
2602A	RS-232-C	13242N					
2603A	RS-232-C				13242Y or 13242X	13242Y	
2932A	HP-IB						
	RS-422-A		13242N				
	RS-232-C		13242X	92219G			
2934A	HP-IB						Configuration Dependent
	RS-422-A		13242P				Configuration Dependent
	RS-232-C		13242X	92219G			Configuration Dependent

LaserJet Printers

Commercial Systems

PRINTERS		HOST					
		3000 44/48	3000 44/48	3000 44/48	3000 58	3000 58	3000 58
			ATP	ADCC		ATP	ADCC
2686A	RS-422-A	40242P			40242P		
	RS-232-C		13242X	13242N		13242X	13242N
2684A/P/D LaserJet 2000	RS-422-A	40242P			40242P		
	RS-232-C		13242X	13242N		13242X	13242N
2686D	RS-422-A	40242P			40242P		
	RS-232-C		13242X	13242N		13242X	13242N
35440A LaserJet Series II	RS-422-A	40242P			40242P		
	RS-232-C		13242X	13242N		13242X	13242N

LaserJet Printers

Commercial Systems

PRINTERS		HOST					
		3000 64/68/70	9000 500				
2686A	RS-422-A	5 PEN: 40242P					
	RS-232-C	3 PEN: 13242X 25 PEN: 13242N	13242N 001:17255D				
2684A/P/D LaserJet 2000	RS-422-A	6 PEN: 40242P					
	RS-232-C	3 PEN: 13242X 25 PEN: 13242N	13242N 001:17255D				
2686D	RS-422-A	5 PEN: 40242P					
	RS-232-C	3 PEN: 13242X 25 PEN: 13242N	DTE: 17255D				
33440A LaserJet Series II	RS-422-A	5 PEN: 40242P					
	RS-232-C	3 PEN: 13242X 25 PEN: 13242N	13242N 001:17255D				

System Printers

Commercial Systems

PRINTERS		HOST					
		250	260	3000 SERIES III	3000 30	3000 30/33	3000 33
2563A*/B*	HP-IB	10833B	10833B			10833C	
	RS-422-A						
	RS-232-C	13242M/N	13242M/N				
2564A/B	HP-IB						
	RS-422-A						
	RS-232-C						
2565A*	HP-IB						
2566A*/B*	HP-IB						
2567B	HP-IB						
2608S*	HP-IB					10833C	
2611A*	Parallel Diff				26069-60005		26069-60004 or 26069-60003
2619A*	Parallel Diff				26069-60005		26069-60004 or 26069-60003
2680A*	HP-IB			8120-3449	8120-3449	8120-3449	
2687A*	RS-422-A						
	RS-232-C	13242M/N	13242M/N				
2688A	HP-IB						
*Discontinued							

System Printers

Commercial Systems

PRINTERS		HOST					
		3000 37	3000 39/40/42/ 42XP	3000 39/40/42/ 42XP ATP	3000 39/40/42/ 42XP ADCC	3000 39/40/42/ 42XP MTS	3000 39-68 ATP
2563A*/B*	HP-IB	10833C	10833C				
	RS-422-A			13242P			
	RS-232-C			92218D		92219G	92218D
2564A/B	HP-IB	B:10833C					
	RS-422-A						
	RS-232-C			B:13242P	B:92219G		
2565A*	HP-IB	10833C	10833C				
2566A*/B*	HP-IB	10833C	10833C				
2567B	HP-IB	10833C	10833C				
2608S*	HP-IB		10833C				
2611A*	Parallel Diff						
2619A*	Parallel Diff						
2680A*	HP-IB	8120-3449	8120-3449				
2687A*	RS-422-A						
	RS-232-C		92219G				
2688A	HP-IB	8120-3449	8120-3449				
*Discontinued							

System Printers

Commercial Systems

PRINTERS		HOST					
		3000 39/68 ADCC	3000 44/48	3000 44/48 ATP	3000 44/48 MTS	3000 58	3000 58 ATP
2663A*/B*	HP-IB		10833C			10833C	
	RS-422-A			13242P			13242P or 40242P
	RS-232-C				92219G		92218P
2564A/B	HP-IB		B:10833C			B:10833C	
	RS-422-A		B:13242P				13242P or 40242P
	RS-232-C	92219G					B:92218P
2565A*	HP-IB		10833C			10833C	
2566A*/B*	HP-IB		10833C			10833C	
2567B	HP-IB		10833C			10833C	
2608S*	HP-IB		10833C				
2611A*	Parallel Diff						
2619A*	Parallel Diff						
2680A*	HP-IB		8120-3449			8120-3449	
2687A*	RS-422-A					92216C	
	RS-232-C		92219G			92218D	
2688A	HP-IB		8120-3449			8120-3449	

*Discontinued

System Printers

Commercial Systems

PRINTERS		HOST					
		3000 58 ADCC	3000 64/68/70	3000 64/68/70 ATP	3000 64/68/70 ADCC	9000 500	
2563A*/B*	HP-IB		10833 A/B/C/D			10833C	
	RS-422-A			13242P or 40242P			
	RS-232-C	92219G		92218D	92219G		
2564A/B	HP-IB		B:10833C			B:10833C	
	RS-422-A			13242P or 40242P			
	RS-232-C	92219G		B:92218D	B:92219G		
2565A*	HP-IB		10833C			10833C	
2566A*/B*	HP-IB		10833C			10833C	
2567B	HP-IB		10833C				
2608S*	HP-IB		10833C				
2611A*	Parallel Diff						
2619A*	Parallel Diff						
2680A*	HP-IB		8120-3449			10833C	
2687A*	RS-422-A		92216C				
	RS-232-C		92218D				
2688A	HP-IB		8120-3449			8120-3449	

*Discontinued

Plotters

Commercial Systems

PLOTTERS		HOST					
		250	260	3000 SERIES I/II/III 3X/4X/ 5X/6X ATP	3000 SERIES I/II/III 3X/4X/ 5X/6X ATC/ADCC		
7440A	HP-IB			10833 A/B/C/D	10833 A/B/C/D		
	RS-232-C Direct	13242M/N	13242M/N	30152A and 17355M	17355M		
7470A	HP-IB			10833 A/B/C/D	10833 A/B/C/D		
	RS-232-C Direct	13242M/N	13242M/N	30152A and 17355M	17355M		
	RS-232-C Eavesdrop	17455A and 17355D*	17455A and 17355D*	30152A and 17455A	17355D and 17455A		
7475A	HP-IB			10833 A/B/C/D	10833 A/B/C/D		
	RS-232-C Direct	13242M/N	13242M/N	30152A and 17355M	17355M		
	RS-232-C Eavesdrop	17455A and 17355D*	17455A and 17355D*	30152A and 17455A	17355D and 17455A		
7510A	HP-IB			10833 A/B/C/D	10833 A/B/C/D		
	RS-232-C Direct	30062C*	30062C*	30152A	17355D		
	RS-232-C Eavesdrop	30062C*	30062C*	30152A	17355D		
	RS-422-A Direct			17855A			
	RS-422-A Eavesdrop			17855A*			
7550A	HP-IB			10833 A/B/C/D	10833 A/B/C/D		
	RS-232-C Direct	30062C	30062C	30152A	17355D		
	RS-232-C Eavesdrop	30062C	30062C	30152A	17355D		

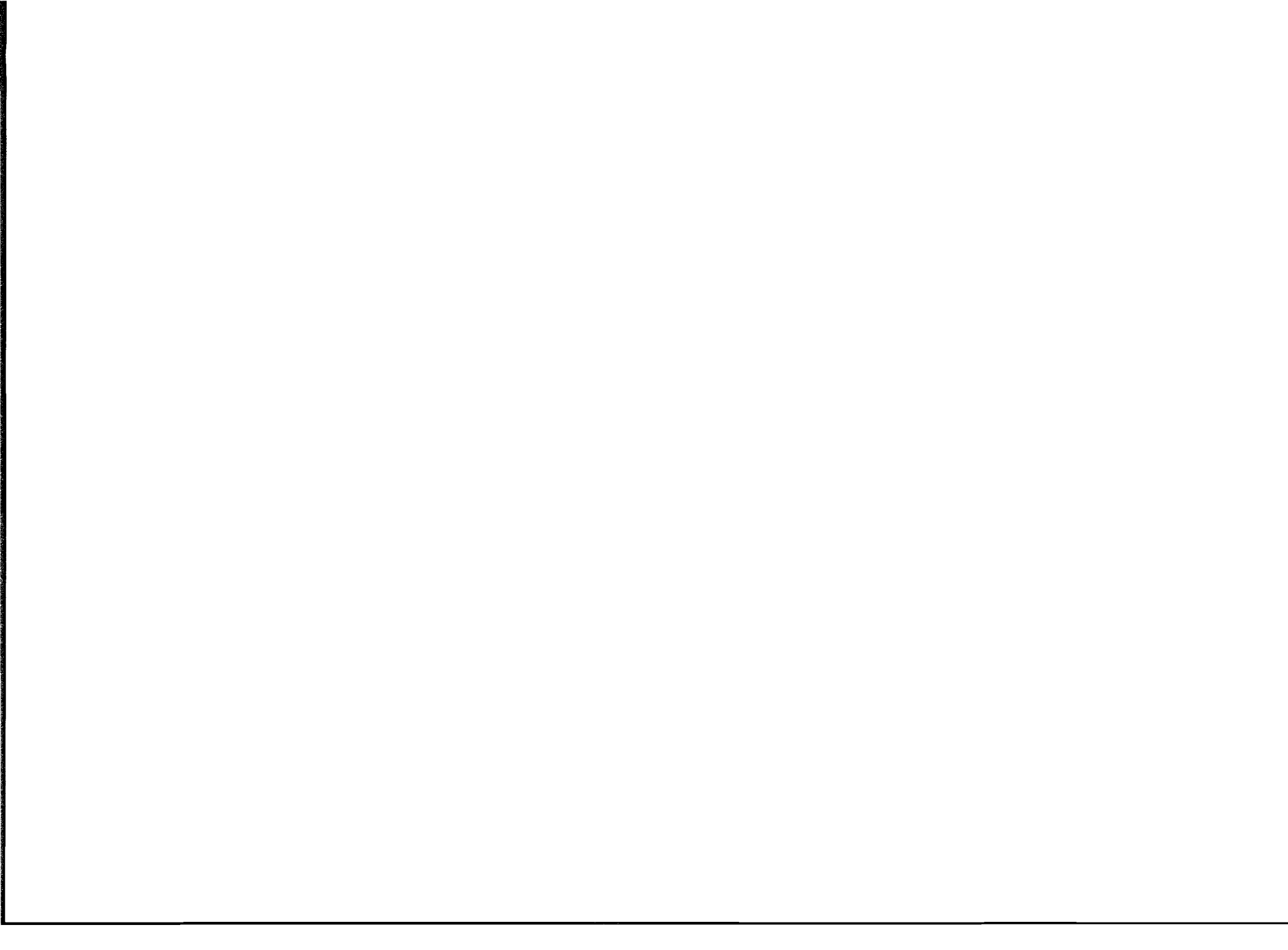
*Unsupported: These are the cables that would be used in these configurations, but there is either no software support and/or testing of the configuration.

Plotters

Commercial Systems

PLOTTERS		HOST					
		250	260	3000 SERIES I/II/III 3X/4X/ 5X/6X ATP	3000 SERIES I/II/III 3X/4X/ 5X/6X ATC/ADCC		
7550A	RS-422-A Direct			17855A			
	RS-422-A Eavesdrop			17855A*			
7570A	HP-IB			10833 A/B/C/D	10833 A/B/C/D		
	RS-232-C Direct	13242M/N*	13242M/N*	30152A and 17355M	17355M		
	RS-232-C Eavesdrop	17455A and 17355D*	17455A and 17355D*	30152A and 17455A	17355D and 17455A		
758XB	HP-IB			10833 A/B/C/D	10833 A/B/C/D		
	RS-232-C Direct	13242M/N*	13242M/N*	30152A and 17355M	17355M		
	RS-232-C Eavesdrop	13242M/N*	13242M/N*	30152A and 17355M	17355M		
759XA	HP-IB			10833 A/B/C/D	10833 A/B/C/D		
	RS-232-C Direct	13242M/N*	13242M/N*	30152A and 17355M	17355M		
	RS-232-C Eavesdrop	13242M/N*	13242M/N*	30152A and 17355M	17355M		
	RS-422-A Direct			17855M			
	RS-422-A Eavesdrop			17855M*			

*Unsupported: These are the cables that would be used in these configurations, but there is either no software support and/or testing of the configuration.



Peripherals Configuration Guide

color graphics printers					
workstation printers					
plotters					

239X Terminals
262X Terminals
264X Terminals
2700 Terminals

TERMINALS

Workstation Printers

Terminals

PRINTERS		HOST						
		2392A	2393A	2394A	2397A	2622A	2623A	
2225A	HP-IB		45529A OR 10833 A/B/C/D		45529A OR 10833 A/B/C/D			
2225C	Centronics	40242D	40242D	40242D	40242D			
2225D	RS-232-C	40242G	40242G	40242G	40242G	13242G		13242G
2227A	Centronics	40242D	40242D	40242D	40242D			
2227B	HP-IB		45529A OR 10833 A/B/C/D		45529A OR 10833 A/B/C/D			
2228A	Centronics	40242D	40242D	40242D	40242D			
2235A/B/C/D	RS-232-C	40242G	40242G	40242G	40242G			
2235A/C	Centronics	40242D	40242D	40242D	40242D			
2601A*	RS-232-C	40242G	40242G	40242G	40242G	13242G		13242G
2602A*	HP-IB		45529A OR 10833 A/B/C/D		45529A OR 10833 A/B/C/D			
2603A	RS-232-C	40242G	40242G	40242G	40242G	13242G		13242G
2671A*	HP-IB		10833 A/B/C/D		10833 A/B/C/D			
	Centronics	40242D	40242D	40242D	40242D			
	RS-232-C	40242G	40242G	40242G	40242G	13242G		13242G

*Discontinued

Workstation Printers

Terminals

PRINTERS		HOST					
		2392A	2393A	2394A	2397A	2622A	2623A
2671G*	HP-IB		10833 A/B/C/D		10833 A/B/C/D		
	Centronics	40242D	40242D	40242D	40242D		
	RS-232-C	40242G	40242G	40242G	40242G	13242G	13242G
2932A	HP-IB		10833 A/B/C/D		10833 A/B/C/D		
	Centronics	40242D	40242D	40242D	40242D		
	RS-232-C	40242G	40242G	40242G	40242G	13242G	13242G
2934A	RS-422-A						
	DSN/Datalink						
	Multipoint						
2934A	HP-IB		10833 A/B/C/D		10833 A/B/C/D		
	Centronics	40242D	40242D	40242D	40242D		
	RS-232-C	40242G	40242G	40242G	40242G	13242G	13242G
82905B*	HP-IB		10833 A/B/C/D		10833 A/B/C/D		
	RS-232-C	40242G	40242G	40242G	40242G	13242G	13242G
82906A*	HP-IB		10833 A/B/C/D		10833 A/B/C/D		

*Discontinued

Workstation Printers

Terminals

PRINTERS		HOST						
		2624A	2625A	2626A	2627A	2628A	2645A	
2225A	HP-IB		45529A or 10833 A/B/C/D				45529A or 10833 A/B/C/D	
2225C	Centronics							
2225D	RS-232-C	13242G		13242G	13242G		13242G	
2227A	Centronics							
	RS-232-C	13242G		13242G	13242G		13242G	
2227B	HP-IB		45529A or 10833 A/B/C/D				45529A or 10833 A/B/C/D	
2228A	Centronics							
2601A*	RS-232-C	13242G		13242G	13242G		13242G	13242G
2602A*	HP-IB		10833 A/B/C/D				10833 A/B/C/D	
	RS-232-C	13242G		13242G	13242G		13242G	
2603A	RS-232-C	13242G		13242G	13242G		13242G	
2671A*	HP-IB		10833 A/B/C/D				10833 A/B/C/D	
	Centronics							13232J
	RS-232-C	13242G		13242G	13242G		13242G	13242G
2671G*	HP-IB		10833 A/B/C/D				10833 A/B/C/D	
	Centronics							13232J

*Discontinued

Workstation Printers

Terminals

PRINTERS		HOST					
		2624A	2625A	2626A	2627A	2628A	2645A
2671G*	RS-232-C	13242G		13242G	13242G	13242G	13242G
2932A	HP-IB		10833 A/B/C/D			10833 A/B/C/D	
	Centronics						
	RS-232-C	13242G		13242G	13242G	13242G	13242G
2934A	HP-IB		10833 A/B/C/D			10833 A/B/C/D	
	Centronics						
	RS-232-C	13242G		13242G	13242G	13242G	13242G
82905B*	HP-IB		10833 A/B/C/D			10833 A/B/C/D	
	RS-232-C	13242G		13242G	13242G	13242G	
82906A*	HP-IB		10833 A/B/C/D			10833 A/B/C/D	
*Discontinued							

Workstation Printers

Terminals

PRINTERS		HOST					
		2647F	2700				
2225A	HP-IB						
2225C	Centronics						
2225D	RS-232-C						
2227A	Centronics						
	RS-232-C						
2227B	HP-IB		10833 A/B/C/D				
2228A	Centronics						
2601A*	RS-232-C	13242G					
2602A*	HP-IB						
	RS-232-C						
2603A	RS-232-C						
2671A*	HP-IB		10833 A/B/C/D				
	Centronics	13232J					
	RS-232-C	13232G					
2671G*	HP-IB		10833 A/B/C/D				
	Centronics	13232J					

*Discontinued

Plotters

Terminals

PLOTTERS		HOST					
		2382A	2392A 2394A 700/92 700/94	2393A 2397A	262X	2621B	2625A 2628A
7440A	HP-IB			45529A			10833 A/B/C/D
	RS-232-C					13242N	13242N
7470A	HP-IB			45529A			10833 A/B/C/D
	RS-232-C						
	RS-232-C Eavesdrop	17455A and 13242N	17455A and 40242M	17455A and 40242M	17455A and 13222N	17455A and 13242N	17455A and 13242N
7475A	HP-IB			45529A			10833 A/B/C/D
	RS-232-C						
	RS-232-C Eavesdrop	17455A and 13242N	17455A and 40242M	17455A and 40242M	17455A and 13222N	17455A and 13242N	17455A and 13242N
7510A	HP-IB			45529A			10833 A/B/C/D
	RS-232-C						
	RS-232-C Eavesdrop	13242N	40242M	40242M	13222N	13242N	13242N
7550A	HP-IB			45529A			10833 A/B/C/D
	RS-232-C						
	RS-232-C Eavesdrop	13242N	40242M	40242M	13222N	13242N	13242N
7570A	HP-IB			45529A			10833 A/B/C/D
	RS-232-C						
	RS-232-C Eavesdrop	17455A and 13242N	17455A and 40242M	17455A and 40242M	17455A and 13222N	17455A and 13222N	17455A and 13242N

Plotters

Terminals

PLOTTERS		HOST					
		150 Terminal					
7440A	HP-IB	10833 A/B/C/D					
	RS-232-C	17255M*					
7470A	HP-IB	10833 A/B/C/D					
	RS-232-C	17255M*					
	RS-232-C Eavesdrop	17455A and 17355M					
7475A	HP-IB	10833 A/B/C/D					
	RS-232-C	17255M*					
	RS-232-C Eavesdrop	17455A and 17355M					
7510A	HP-IB	10833 A/B/C/D					
	RS-232-C	17255D*					
	RS-232-C Eavesdrop	13242N or 17355M					
7550A	HP-IB	10833 A/B/C/D					
	RS-232-C	17255D*					
	RS-232-C Eavesdrop	13242N or 17355M					
7570A	HP-IB	10833 A/B/C/D					
	RS-232-C	17255M*					

*Unsupported: These are the cables that would be used in these configurations, but there is either no software support and/or testing of the configuration.

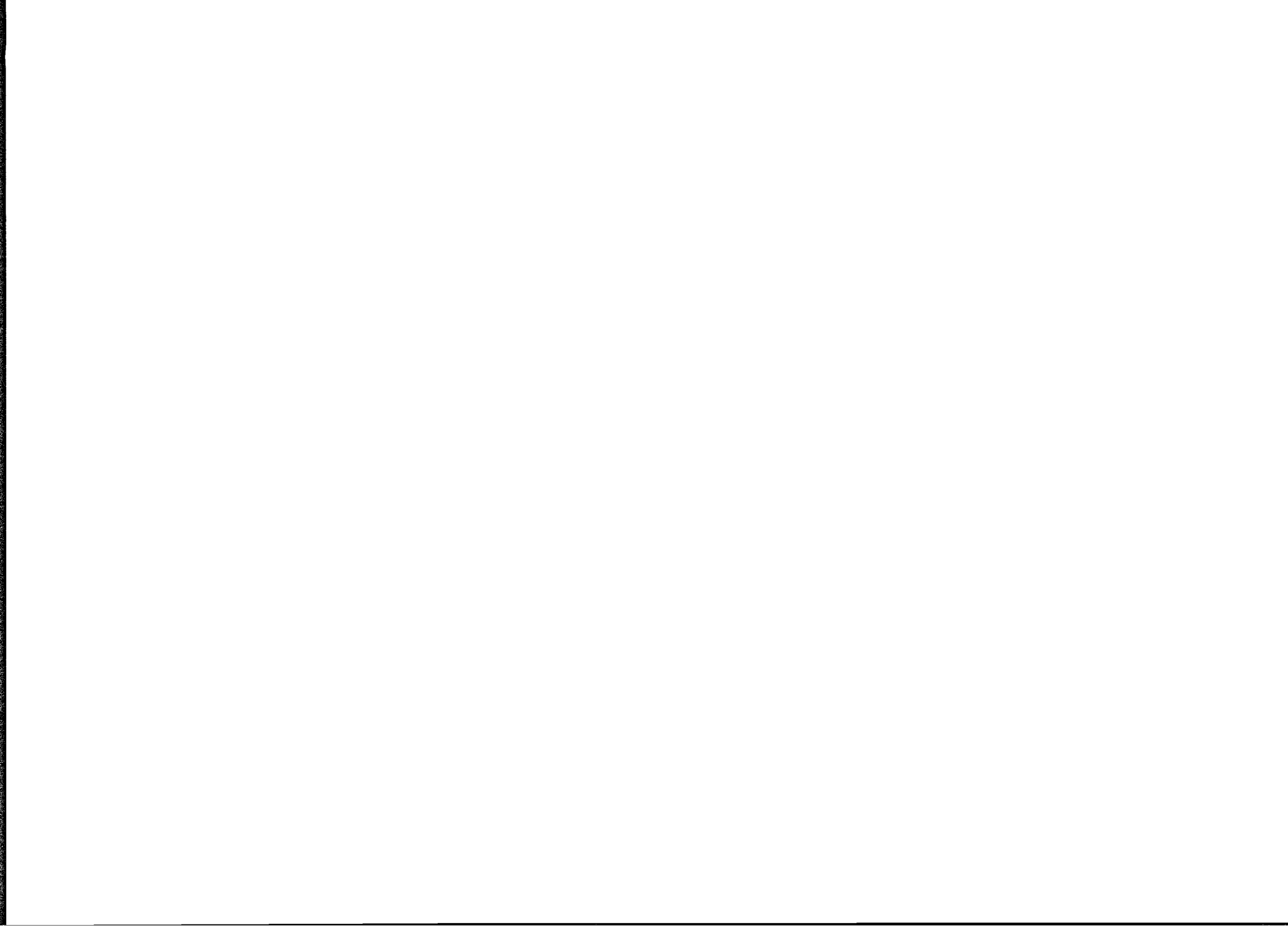
Plotters

Terminals

PLOTTERS		HOST					
		150 Terminal					
7570A	RS-232-C Eavesdrop	17455A and 17355M					
758XB	HP-IB	10833 A/B/C/D					
	RS-232-C	17255M*					
	RS-232-C Eavesdrop	13242N or 17355M					
759XA	HP-IB	10833 A/B/C/D					
	RS-232-C	17255M*					
	RS-232-C Eavesdrop	13242N or 17355M					



*Unsupported: These are the cables that would be used in these configurations, but there is either no software support and/or testing of the configuration.



Peripherals Configuration Guide

workstation discs					
system discs					
tape drives					
color graphics printers					
workstation printers					
LaserJet printers					
system printers					
plotters					
tablets					

HP 1000

TECHNICAL SYSTEMS

Workstation Discs

Technical Systems

DISC DRIVES		HOST				
		1000 A	1000 E/F	1000 L	HP Integral PC	
8290XM	HP-IB				82977A or 10833 A/B/C/D	
9121D	HP-IB	10833 A/B/C/D			82977A or 10833 A/B/C/D	
9121S	HP-IB	10833 A/B/C/D			82977A or 10833 A/B/C/D	
9122D	HP-IB	10833 A/B/C/D	10833 A/B/C/D		82977A or 10833 A/B/C/D	
9122S	HP-IB	10833 A/B/C/D			82977A or 10833 A/B/C/D	
9125S	HP-IB				82977A or 10833 A/B/C/D	
9127A	HP-IB				82977A or 10833 A/B/C/D	
9133A/B	HP-IB	10833 A/B/C/D		10833 A/B/C/D		
9133D	HP-IB	10833 A/B/C/D			82977A or 10833 A/B/C/D	
9133H	HP-IB	10833 A/B/C/D			82977A or 10833 A/B/C/D	
9133L	HP-IB	10833 A/B/C/D			82977A or 10833 A/B/C/D	
9133V	HP-IB	10833 A/B/C/D		10833 A/B/C/D	82977A or 10833 A/B/C/D	
9133XV	HP-IB	10833 A/B/C/D		10833 A/B/C/D	82977A or 10833 A/B/C/D	
9134A/B	HP-IB	10833 A/B/C/D		10833 A/B/C/D		
9134D	HP-IB	10833 A/B/C/D			82977A or 10833 A/B/C/D	
9134H	HP-IB	10833 A/B/C/D			82977A or 10833 A/B/C/D	

Workstation Discs

Technical Systems

DISC DRIVES		HOST					
		1000 A	1000 E/F	1000 L	HP Integral PC		
9134L	HP-IB	10833 A/B/C/D			82977A or 10833 A/B/C/D		
9134XV	HP-IB	10833 A/B/C/D		10833 A/B/C/D			
9144A	HP-IB	10833 A/B/C/D	10833 A/B/C/D		82977A* or 10833 A/B/C/D		
9153A	HP-IB						
9153B	HP-IB	10833 A/B/C/D			82977A or 10833 A/B/C/D		
9153C	HP-IB	10833 A/B/C/D					
9154A	HP-IB						
9154B	HP-IB	10833 A/B/C/D			82977A or 10833 A/B/C/D		
9885M/S	Parallel		12735-60003				
9895A	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D			
*Requires TAR.							

System Discs

Technical Systems

DISC DRIVES		HOST					
		1000 A	1000 E/F	1000 L	1000 M	1000 Multiple CPU E/F	
7906H/HR*	HP-IB		10833 A/B/C/D				
7906M/MR* MS/MW	16 BIT		13037-60043-47		13037-60043-47	13178-60009-10	
7906S/SR* SS/SW	16 BIT		13013B-003: MULTI-UNIT 13213B-002: DATA		13013B-003: MULTI-UNIT 13213B-002: DATA	13013B-003: MULTI-UNIT 13213B-002: DATA	
7907A	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
7908P/R*	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D			
7911P/R	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D			
7912P/R* PR/RR	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D			
7914CT*	HP-IB	10833 A/B/C/D					
7914P/R	HP-IB		10833 A/B/C/D				
7914ST*	HP-IB	10833 A/B/C/D		10833 A/B/C/D			
7914TD*	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D			
7914TR*	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D			
7920M/R*	16 BIT		13037-60043-47		13037-60043-47	13178-60007-10	
7920S/R*	16 BIT		13013B-003: MULTI-UNIT 13213B-002: DATA		13013B-003: MULTI-UNIT 13213B-002: DATA	13013B-003: MULTI-UNIT 13213B-002: DATA	
7925M/R*	HP-IB		13037-60043-47		13037-60043-47	13178-60007-10	
7925S/R*	16 BIT		13013B-003: MULTI-UNIT 13213B-002: DATA		13013B-003: MULTI-UNIT 13213B-002: DATA	13013B-003: MULTI-UNIT 13213B-002: DATA	
7933H*	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
*Discontinued							

System Discs

Technical Systems

DISC DRIVES		HOST					
		1000 A	1000 E/F	1000 L	1000 M	1000 Multiple CPU E/F	
7933HR	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
7933XP*	HP-IB	10833 A/B/C/D					
7933XR	HP-IB	10833 A/B/C/D					
7935H**	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
7935HR	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
7935XP**	HP-IB	10833 A/B/C/D					
7935XR	HP-IB	10833 A/B/C/D					
7936H	HP-IB	10833 A/B/C/D					
7936H/XP	HP-IB	10833 A/B/C/D					
7936XP	HP-IB	10833 A/B/C/D					
7937H	HP-IB	10833 A/B/C/D					
7937H/XP	HP-IB	10833 A/B/C/D					
7937XP	HP-IB	10833 A/B/C/D					
7941A*	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
7942A	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
7945A*	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
7946A	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
7957/58A	HP-IB	10833 A/B/C/D					

*Discontinued

**New products available from FRD.

Tape Drives

Technical Systems

TAPE DRIVES		HOST					
		1000 A	1000 M/E/F				
35401A	HP-IB CS80	10833 A/B/C/D					
7970B	Parallel Diff		13181B				
7970E	HP-IB	10833 A/B/C/D					
	Parallel Diff		13183B				
7974A	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
7976A	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
7978A	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
7978B	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
9144A	HP-IB CS80	10833 A/B/C/D	10833 A/B/C/D				

Workstation Printers

Technical Systems

PRINTERS		HOST					
		1000 A	1000 M/E/F				
2225D	RS-232-C	13242N					
2227A	RS-232-C	13242N					
2228A	RS-232-C	13242N					
2235A/B/C/D	RS-232-C	92219G					
2235B/D	HP-IB	10833 A/B/C/D					
2671A*	HP-IB	10833 A/B/C/D					
2671G*	HP-IB	10833 A/B/C/D					
2932A	HP-IB	10833 A/B/C/D					
	RS-232-C	92219G	92219G				
2934A	HP-IB	10833 A/B/C/D					
	RS-232-C	92219G	92219G				
82905B*	HP-IB	10833 A/B/C/D					
82906A*	HP-IB	10833 A/B/C/D					

*Discontinued

System Printers

Technical Systems

PRINTERS		HOST					
		1000 A	1000 M/E/F				
2563A*/B*	HP-IB	10833 A/B/C/D	10833C A/B/C/D				
	RS-232-C	92219G	92219G				
2564A/B	HP-IB	10833 A/B/C/D	B:10833 A/B/C/D				
	RS-232-C	B:92219G	B:92219G				
2565A*	HP-IB	10833 A/B/C/D					
	RS-232-C	92219G					
2566A*/B*	HP-IB	10833 A/B/C/D	B:10833 A/B/C/D				
	RS-232-C	92219G	B:92219G				
2680A*	HP-IB	8120-3449					
2687A*	RS-232-C	92219G					
2688A	HP-IB	8120-3449					
*Discontinued							

Plotters

Technical Systems

PLOTTERS		HOST					
		1000 A	1000 E/F				
7440A	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
	RS-232-C	13242N or 17355M	13242N or 17355M				
7470A	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
	RS-232-C	13242N or 17355M	13242N or 17355M				
	RS-232-C Eavesdrop	17455A and 17355M*	17455A and 17355M				
7475A	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
	RS-232-C	13242N or 17355M	13242N or 17355M				
	RS-232-C Eavesdrop	17455A and 17355M*	17455A and 17355M*				
7510A	HP-IB	10833 A/B/C/D	10833 A/B/C/D*				
	RS-232-C	17355D	17355D*				
	RS-232-C Eavesdrop	17355D*	17355D*				
7550A	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
	RS-232-C	17355D	17355D				
	RS-232-C Eavesdrop	17355D*	17355D*				
7570A	HP-IB	10833 A/B/C/D	10833 A/B/C/D*				
	RS-232-C	13242N or 17355M	13242N or 17355M*				

*Unsupported: These are the cables that would be used in these configurations, but there is either no software support and/or testing of the configuration.



Peripherals Configuration Guide

workstation discs					
system discs					
tape drives					
color graphics printers					
workstation printers					
LaserJet printers					
system printers					
plotters					
tablets					

HP 9000

TECHNICAL WORKSTATIONS

Workstation Discs

Technical Workstations

DISC DRIVES		HOST					
		9825A/B/S	9825T	9835A	9845B/C	9000 SERIES 200	9000 SERIES 300
8290XM	HP-IB		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	
9121D	HP-IB		10833 A/B/C/D		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D
9121S	HP-IB		10833 A/B/C/D		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D
9122D	HP-IB		10833 A/B/C/D		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D
9122S	HP-IB		10833 A/B/C/D		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D
9125S	HP-IB					10833 A/B/C/D	10833 A/B/C/D
9127A	HP-IB					10833 A/B/C/D	10833 A/B/C/D
9133A/B	HP-IB		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	
9133D	HP-IB		10833 A/B/C/D		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D
9133H	HP-IB					10833 A/B/C/D	10833 A/B/C/D
9133L	HP-IB					10833 A/B/C/D	10833 A/B/C/D
9133V	HP-IB		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	
9133XV	HP-IB		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	
9134A/B	HP-IB		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	
9134D	HP-IB		10833 A/B/C/D		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D
9134H	HP-IB					10833 A/B/C/D	10833 A/B/C/D

Workstation Discs

Technical Workstations

DISC DRIVES		HOST					
		9825A/B/S	9825T	9835A	9845B/C	9000 SERIES 200	9000 SERIES 300
9134L	HP-IB					10833 A/B/C/D	10833 A/B/C/D
9134XV	HP-IB		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	
9135A	HP-IB		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	
9144A	HP-IB		10833 A/B/C/D		10833 A/B/C/D		
9153A	HP-IB					10833 A/B/C/D	10833 A/B/C/D
9153B	HP-IB					10833 A/B/C/D	10833 A/B/C/D
9153C	HP-IB					10833 A/B/C/D	10833 A/B/C/D
9154A	HP-IB					10833 A/B/C/D	10833 A/B/C/D
9154B	HP-IB					10833 A/B/C/D	10833 A/B/C/D
9885A		98032A Opt. 185	98032A Opt. 185	98032A Opt. 385	98032A Opt. 485		
9885M/S	Parallel	98032A Opt. 185	98032A Opt. 185	98032A Opt. 385	98032A Opt. 485		
9895A	HP-IB		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D

Workstation Discs

Technical Workstations

DISC DRIVES		HOST					
		9000 SERIES 500					
8290XM	HP-IB	10833 A/B/C/D					
9121D	HP-IB						
9121S	HP-IB						
9122D	HP-IB	10833 A/B/C/D					
9122S	HP-IB	10833 A/B/C/D					
9125S	HP-IB	10833 A/B/C/D					
9127A	HP-IB	10833 A/B/C/D					
9133A/B	HP-IB						
9133D	HP-IB	10833 A/B/C/D					
9133H	HP-IB	10833 A/B/C/D					
9133L	HP-IB	10833 A/B/C/D					
9133V	HP-IB						
9133XV	HP-IB						
9134A/B	HP-IB						
9134D	HP-IB	10833 A/B/C/D					
9134H	HP-IB	10833 A/B/C/D					

Workstation Discs

Technical Workstations

DISC DRIVES		HOST					
		9000 SERIES 500					
9134L	HP-IB	10833 A/B/C/D					
9134XV	HP-IB						
9135A	HP-IB						
9144A	HP-IB						
9153A	HP-IB	10833 A/B/C/D					
9153B	HP-IB	10833 A/B/C/D					
9154A	HP-IB	10833 A/B/C/D					
9154B	HP-IB	10833 A/B/C/D					
9885A	HP-IB						
9885M/S	Parallel						
9895A	HP-IB	10833 A/B/C/D					

System Discs

Technical Workstations

DISC DRIVES		HOST					
		9825T	9835	9845	9845B/C	9858X	9020, 50, 60
7906M/MR* MS/MW	HP-IB		10833 A/B/C/D	10833 A/B/C/D			
7906S/SR* SS/SW	16 BIT		13013B-003: MULTI-UNIT 13213B-002: DATA	13013B-003: MULTI-UNIT 13213B-002: DATA			
7907A	HP-IB	10833 A/B/C/D			10833 A/B/C/D		
7908P/R*	HP-IB			10833 A/B/C/D			
7911P/R	HP-IB			10833 A/B/C/D			
7912P/R PR/RR	HP-IB			10833 A/B/C/D			
7920M/R*	HP-IB		10833 A/B/C/D	10833 A/B/C/D			
7920S/SR*	16 BIT		13013B-003: MULTI-UNIT 13213B-002: DATA	13013B-003: MULTI-UNIT 13213B-002: DATA			
7925M/R*	HP-IB		10833 A/B/C/D	10833 A/B/C/D			
7925S/R*	16 BIT		13013B-003: MULTI-UNIT 13213B-002: DATA	13013B-003: MULTI-UNIT 13213B-002: DATA			
7936H	HP-IB				10833 A/B/C/D	10833 A/B/C/D	
7937H	HP-IB						
7941A*	HP-IB	10833 A/B/C/D			10833 A/B/C/D		
7942A	HP-IB				10833 A/B/C/D		
7945A*	HP-IB	10833 A/B/C/D			10833 A/B/C/D		
7946A	HP-IB				10833 A/B/C/D		
7957/58A	HP-IB	10833 A/B/C/D			10833 A/B/C/D		

*Discontinued

Tape Drives

Technical Workstations

TAPE DRIVES		HOST					
		9835A/B	9845B/C	9000 SERIES 200	9000 SERIES 300	9000 SERIES 500	
35401A	HP-IB			10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	
7970E	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	
7976A	HP-IB				10833 A/B/C/D	10833 A/B/C/D	
7978A	HP-IB				10833 A/B/C/D	10833 A/B/C/D	
7978B	HP-IB				10833 A/B/C/D	10833 A/B/C/D	
9144A	HP-IB CS80	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	

Workstation Printers

Technical Workstations

PRINTERS		HOST					
		9000 SERIES 200, 216, 217, 220, 226, 236, 237	9000 SERIES 300, 310, 320, 350	9000 SERIES 500, 520, 530, 540, 550, 560	9845 A/B/C/T	9000 SERIES 800	
2225A	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D			
2227B	HP-IB						
2235B/D	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D			
2601A*	RS-232-C	13242N		13242N	B/C:13242N		
2602A*	HP-IB	10833 A/B/C/D		10833 A/B/C/D			
2631B*	HP-IB	10833 A/B/C/D		10833 A/B/C/D			
2631G*	HP-IB	10833 A/B/C/D					
2671A*	HP-IB	10833 A/B/C/D			B/C:10833 A/B/C/D		
2671G*	HP-IB	10833 A/B/C/D			B/C:10833 A/B/C/D		
2932A	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D			
2934A	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D			
41063A	HP-IB		10833 A/B/C/D			10833 A/B/C/D	
82905B*	HP-IB	10833 A/B/C/D					
82906A*	HP-IB	10833 A/B/C/D	10833 A/B/C/D				
*Discontinued							

System Printers

Technical Workstations

PRINTERS		HOST					
		9000 SERIES 300, 310, 320, 350	9000 SERIES 500, 520, 530, 540, 550, 560	9816	9817	9820	9826
2563A*/B*	HP-IB	A:10833 A/B/C/D		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D
2564A/B	HP-IB			B:10833 A/B/C/D			
2565A*	HP-IB					A:10833 A/B/C/D	
2566A*/B*	HP-IB					10833 A/B/C/D	
2608A	HP-IB						10833 A/B/C/D
2608S*	HP-IB		10833 A/B/C/D			10833 A/B/C/D	10833 A/B/C/D
2688A	HP-IB			8120-3449		8120-3449	8120-3449
*Discontinued							

System Printers

Technical Workstations

PRINTERS		HOST					
		9835A/B	9836	9837	9845 A/B/C/T		
2563A*/B*	HP-IB		10833 A/B/C/D	10833 A/B/C/D	A:10833 A/B/C/D		
2564A/B	HP-IB						
2565A*	HP-IB			10833 A/B/C/D			
2566A*/B*	HP-IB			10833 A/B/C/D			
2608A	HP-IB	10833 A/B/C/D	10833 A/B/C/D		A/B:10833 A/B/C/D		
2608S*	HP-IB		10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D		
2688A	HP-IB		8120-3449	8120-3449			
*Discontinued							

PC Peripherals Configuration Guide

workstation discs					
tape drives					
color graphics printers					
workstation printers					
LaserJet printers					
scanners					
plotters					
tablets					

HP

PERSONAL COMPUTERS

Workstation Discs

HP Personal Computers

DISC DRIVES		HOST					
		SERIES 80 9915	120, 125	PORTABLE PORTABLE PLUS	150A	150B Touchscreen PC	150C Touchscreen II, MAX
8290XM	HP-IB	10833A/B/C/D	10833A/B/C/D or 45529A	82167A/B/C/D & 81169A & 10833A/B/C/D	10833A/B/C/D or 45529A	10833A/B/C/D or 45529A	10833A/B/C/D or 45529A
9114A	HP-IB			82167A/B/C/D & 81169A & 10833A/B/C/D	82167A/B/C/D & 81169A & 10833A/B/C/D		
9114B	HP-IL			82167A/B/C/D			
9121D	HP-IB	10833A/B/C/D or 45529A		10833A/B/C/D & 82169A & 82167A		10833A/B/C/D	
9121S	HP-IB	10833A/B/C/D or 45529A		10833A/B/C/D & 82169A & 82167A		10833A/B/C/D	
9122D	HP-IB	10833A/B/C/D or 45529A		10833A/B/C/D & 82169A & 82167A		10833A/B/C/D	10833A/B/C/D
9122S	HP-IB	10833A/B/C/D or 45529A		10833A/B/C/D & 82169A & 82167A		10833A/B/C/D	10833A/B/C/D
9123D	HP-IB						10833A/B/C/D
9125S	HP-IB			82167A/B/C/D & 81169A & 10833A/B/C/D	10833A/B/C/D or 45529A	10833A/B/C/D or 45529A	10833A/B/C/D or 45529A
9127A	HP-IB			10833A/B/C/D & 82169A & 82167A		10833A/B/C/D	10833A/B/C/D
9133A/B	HP-IB	10833A/B/C/D	10833A/B/C/D or 45529A	82167A/B/C/D & 81169A & 10833A/B/C/D	10833A/B/C/D or 45529A	10833A/B/C/D or 45529A	10833A/B/C/D or 45529A
9133D	HP-IB	10833A/B/C/D or 45529A		10833A/B/C/D & 82169A & 82167A		10833A/B/C/D	10833A/B/C/D
9133H	HP-IB	10833A/B/C/D or 45529A		10833A/B/C/D & 82169A & 82167A			10833A/B/C/D
9133L	HP-IB						10833A/B/C/D
9133V	HP-IB	10833A/B/C/D	10833A/B/C/D or 45529A	82167A/B/C/D & 81169A & 10833A/B/C/D	10833A/B/C/D or 45529A	10833A/B/C/D or 45529A	10833A/B/C/D or 45529A
9133XV	HP-IB	10833A/B/C/D	10833A/B/C/D or 45529A	82167A/B/C/D & 81169A & 10833A/B/C/D	10833A/B/C/D or 45529A	10833A/B/C/D or 45529A	10833A/B/C/D or 45529A

Workstation Discs

HP Personal Computers

DISC DRIVES		HOST					
		41, 71, 75	Vectra				
8290XM	HP-IB						
9114A	HP-IB						
9114B	HP-IL	82167 A/B/C/D					
9121D	HP-IB						
9121S	HP-IB						
9122D	HP-IB		10833 A/B/C/D				
9122S	HP-IB		10833 A/B/C/D				
9123D	HP-IB						
9125S	HP-IB						
9127A	HP-IB						
9133A/B	HP-IB						
9133D	HP-IB						
9133H	HP-IB						
9133L	HP-IB						
9133V	HP-IB						
9133XV	HP-IB						

Workstation Discs

HP Personal Computers

DISC DRIVES		HOST					
		41, 71, 75	Vectra				
9134A/B	HP-IB						
9134D	HP-IB						
9134H	HP-IB		10833 A/B/C/D				
9134L	HP-IB		10833 A/B/C/D				
9134XV	HP-IB						
9135A	HP-IB						
9153A	HP-IB						
9153B	HP-IB						
9154A	HP-IB		10833 A/B/C/D				
9154B	HP-IB		10833 A/B/C/D				
9895A	HP-IB						

Workstation Printers

HP Personal Computers

PRINTERS		HOST					
		SERIES 80 85B 86B	SERIES 100 PORTABLE/ PORTABLE PLUS	SERIES 100 150 or Touchscreen	Vectra		
2225A	HP-IB	10833 A/B/C/D		10833 A/B/C/D			
2225B	HP-IL	82167A	82167A	82167A			
2225C	Centronics			13242D	24542D		
2225D	RS-232-C	13242G	92221P	13242G			
2225P	Battery/ Centronics				92219Z		
2227A	Centronics			13242G	24542D		
	RS-232-C	13242G	92221P	13242G	13242G or 24542G		
2228A	Centronics			13242D	24542D		
	RS-232-C		92221P	13242G	13242G or 24542G		
2601A	RS-232-C	13242N	92221P	13242G			
2602A*	HP-IB	10833 A/B/C/D		10833 A/B/C/D			
	RS-232-C		92221P	13242G			
2603A	RS-422-A				13242G		
	RS-232-C	13242N	92221P	13242G	24542G		
2671A*	HP-IB	10833 A/B/C/D					
2671G*	HP-IB	10833 A/B/C/D					
*Discontinued							

Workstation Printers

HP Personal Computers

PRINTERS		HOST					
		SERIES 80 85B 86B	SERIES 100 PORTABLE/ PORTABLE PLUS	SERIES 100 150 or Touchscreen	Vectra	Asian Vectra	
2227B	HP-IB			10833 A/B/C/D			
2235A/B/C/D	RS-232-C			13242G	13242G or 24542G		
2235B/D	HP-IB			10833 A/B/C/D			
2932A	HP-IB	10833 A/B/C/D		10833 A/B/C/D			
	Centronics				24542D		
	RS-422-A						
	RS-232-C			13242G	13242G or 24542G		
2934A	HP-IB	10833 A/B/C/D		10833 A/B/C/D			
	Centronics				24542D		
	RS-422-A						
	RS-232-C			13242G	13242G or 24542G		
41063B	Centronics					24542D	
	RS-232-C					24542G	
82905B*	HP-IB	10833 A/B/C/D		10833 A/B/C/D			
	HP-IL		82167A				
	RS-232-C		92221P				
82906A*	HP-IB	10833 A/B/C/D	10833 A/B/C/D (86B only)	10833 A/B/C/D			
*Discontinued							

LaserJet Printers

HP Personal Computers

PRINTERS		HOST					
		SERIES 100 PORTABLE/ PORTABLE PLUS	SERIES 100 150 or Touchscreen	Vectra			
2684A/P/D	Centronics		13242D	24542D or 92219K			
	RS-422-A			13242G			
	RS-232-C	92221P	13242-60010 or 92219H	24542G			
2686A	Centronics		13242D	24542D or 92219K			
	RS-422-A			13242G			
	RS-232-C	92221P	13242-60010 or 92219H	24542G			
2686D	Centronics		13242D	24542D or 92219K			
	RS-422-A			13242G			
	RS-232-C	92221P	13242-60010 or 92219H	24542G			
33440A	Centronics		13242D	24542D or 92219K			
	RS-422-A			13242G			
	RS-232-C	92221P	13242-60010 or 92219H	24542G			

Plotters

HP Personal Computers

PLOTTERS		HOST					
		85B	86B	PORTABLE/ PORTABLE PLUS	150	Vectra	
7440A	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D and Converter*	10833 A/B/C/D	10833 A/B/C/D*	
	RS-232-C	82939A and 17355M*	82939A and 17355M*	92221P	13242G or 17255M	24542G**	
7470A	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D and Converter	10833 A/B/C/D	10833 A/B/C/D*	
	RS-232-C	82939A and 17355M*	82939A and 17355M*	92221P	13242G or 17255M	24542G**	
7475A	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D and Converter	10833 A/B/C/D	10833 A/B/C/D*	
	RS-232-C	82939A and 17355M*	82939A and 17355M*	92221P	13242G or 17255M	24542G**	
7510A	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D and Converter*	10833 A/B/C/D	10833 A/B/C/D*	
	RS-232-C	82939A*	82939A*	92221P and 92224F*	17255D	24542H**	
7550A	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D and Converter*	10833 A/B/C/D	10833 A/B/C/D*	
	RS-232-C	82939A*	82939A*	92221P and 92224F*	17255D	24542H**	
7570A	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D and Converter*	10833 A/B/C/D	10833 A/B/C/D*	
	RS-232-C	82939A and 17355M*	82939A and 17355M*	92221P*	13242G or 17255M	24542G**	
758XB	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D and Converter*	10833 A/B/C/D	10833 A/B/C/D*	
	RS-232-C	82939A and 17355M*	82939A and 17355M*	92221P*	13242G or 17255M	24542G**	
759XA	HP-IB	10833 A/B/C/D	10833 A/B/C/D	10833 A/B/C/D and Converter*	10833 A/B/C/D	10833 A/B/C/D*	
	RS-232-C	82939A and 17355M*	82939A and 17355M*	92221P*	13242G or 17255M	24542G**	

*Unsupported: These are the cables that would be used in these configurations, but there is either no software support and/or testing of the configuration.

**These cables would connect to the 9-pin serial connector of the 24540A or 24541A interface cards.



PC Peripherals Configuration Guide

workstation discs					
tape drives					
color graphics printers					
workstation printers					
LaserJet printers					
scanners					
plotters					
tablets					

Non-HP

PERSONAL COMPUTERS

LaserJet Printers

Non-HP Personal Computers

PRINTERS		HOST					
		IBM PC PC/XT	IBM PC jr	IBM PC/AT	Apple Ile	Apple III	Macintosh
2684A/P/D	Centronics	24542D or 92219K		24542D or 92219K			
	RS-232-C	17255D or 92219J	17255D or IBM 8600026	24542G	17355M	17355M	92219M
2686A	Centronics	24542D or 92219K		24542D or 92219K			
	RS-232-C	17255D or 92219J	17255D or IBM 8600026	24542G	17355M	17355M	92219M
2686D	Centronics	24542D or 92219K		24542D or 92219K			
	RS-232-C	17255D or 92219J	17255D or IBM 8600026	24542G	17355M	17355M	92219M
33440A	Centronics	24542D or 92219K		24542D or 92219K			
	RS-232-C	17255D or 92219J	17255D or IBM 8600026	24542G	17355M	17355M	92219M

LaserJet Printers

Non-HP Personal Computers

PRINTERS		HOST					
		Wang PC	COMPAQ Portable	DEC Rainbow 100	AT&T 6300		
2684A/P/D	Centronics		24542D		24542D or 92219K		
	RS-232-C	13242G	17255M	17355M	17255D or 92219J		
2686A	Centronics		24542D		24542D or 92219K		
	RS-232-C	13242G	17255M	17355M	17255D or 92219J		
2686D	Centronics		24542D		24542D or 92219K		
	RS-232-C	13242G	17255M	17355M	17255D or 92219J		
33440A	Centronics		24542D		24542D or 92219K		
	RS-232-C	13242G	17255M	17355M	17255D or 92219J		

Plotters

Non-HP Personal Computers

PLOTTERS		HOST					
		IBM PC/XT	IBM PC jr	IBM PC/AT	IBM Personal Systems 12 Models 30, 50, 60, 80		
7440A	RS-232-C	17255D	IBM Serial Adaptor cable and 17255D	24542G	17255D		
7470A	RS-232-C	17255D	IBM Serial Adaptor cable and 17255D	24542G	17255D		
7475A	RS-232-C	17255D	IBM Serial Adaptor cable and 17255D	24542G	17255D		
7510A	RS-232-C	17255F	IBM Serial Adaptor cable and 17255F*	24542H	17255F		
7550A	RS-232-C	17255F	IBM Serial Adaptor cable and 17255F	24542H	17255F		
7570A	RS-232-C	17255D	IBM Serial Adaptor cable and 17255D	24542G	17255D		
758XB	RS-232-C	17255D	IBM Serial Adaptor cable and 17255D*	24542G	17255D		
759XA	RS-232-C	17255D	IBM Serial Adaptor cable and 17255D*	24542G	17255D		
<p>*Unsupported: These are the cables that would be used in these configurations, but there is either no software support and/or testing of the configuration.</p>							

Plotters

Non-HP Personal Computers

PLOTTERS		HOST					
		Wang PC	COMPAQ 286	COMPAQ Portable	TI Pro		
7440A	RS-232-C	13242G or 17355M	24542G	17255D	13242G or 17255M		
7470A	RS-232-C	13242G or 17355M	24542G	17255D	13242G or 17255M		
7475A	RS-232-C	13242G or 17355M	24542G	17255D	13242G or 17255M		
7510A	RS-232-C	17255D*	24542H	17255F	17255D*		
7550A	RS-232-C	17255D	24542H	17255F	17255D		
7570A	RS-232-C	13242G or 17255M	24542G	17255D	13242G or 17255M		
758XB	RS-232-C	13242G or 17255M	24542G	17255D	13242G or 17255M		
759XA	RS-232-C	13242G or 17255M	24542G	17255D	13242G or 17255M		

*Unsupported: These are the cables that would be used in these configurations, but there is either no software support and/or testing of the configuration.

Plotters

Non-HP Personal Computers

PLOTTERS		HOST					
		DEC 100 Rainbow	DEC 350 Pro	AT&T 6300			
7440A Opt. 001	RS-232-C	17355M	92224M and DEC BCC05	17255D			
7470A Opt. 001	RS-232-C	17355M	92224M and DEC BCC05	17255D			
7475A Opt. 001	RS-232-C	17355M	92224M and DEC BCC05	17255D			
7510A	RS-232-C	17355D*	DEC BCC05	17255F			
7550A	RS-232-C	17355D	DEC BCC05	17255F			
7570A	RS-232-C	17355M	92224M and DEC BCC05	17255D			
758XB	RS-232-C	17355M	92224M and DEC BCC05	17255D			
759XA	RS-232-C	17355M	92224M and DEC BCC05	17255D			
*Unsupported: These are the cables that would be used in these configurations, but there is either no software support and/or testing of the configuration.							

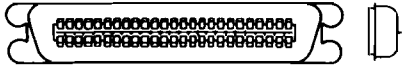


Peripherals Configuration Guide

workstation discs					
system discs					
tape drives					
workstation printers					
LaserJet printers					
scanners					
system printers					
plotters					
tablets					

CABLE PIN OUTS

Connectors



50-pin MALE (for 262X Terminals)



MALE and FEMALE standard 25-pin RS-232-C connectors



MALE and FEMALE 14-pin multipoint cable connectors



MALE and FEMALE HP-IB connectors



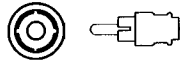
MALE and FEMALE HP-IL connectors



MALE and FEMALE 36-pin Centronics connector



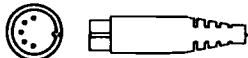
MALE and FEMALE 9-pin sub-miniature D connector



MALE coaxial (video) connector



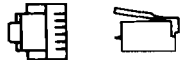
30-pin FEMALE (for 264X Terminals)
48-pin connector, not shown



MALE 5-position circular DIN



MALE and FEMALE 3-pin connectors for HP 3000 ATP RS-232-C interface



MALE RJ-11 plug

MALE and FEMALE 5-pin connectors for HP 3000 ATP RS-422-A interface*

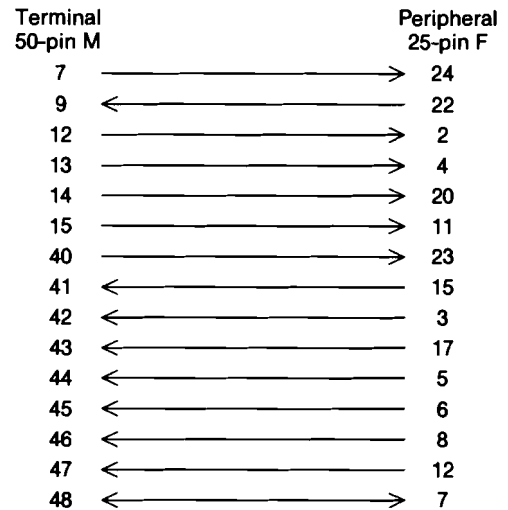
*Same shape as 3-pin ATP connectors but with 5 pins.

10833A/B/C/D

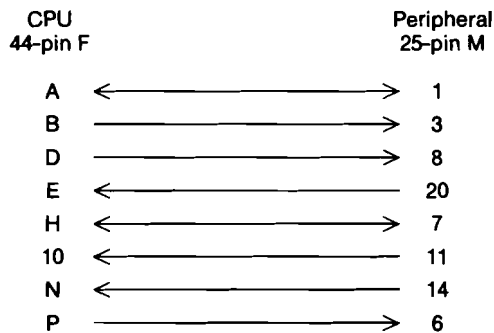
A: 1.0 m (3.3 ft)
 B: 2.0 m (6.6 ft)
 C: 4.0 m (13.2 ft)
 D: 0.5 m (1.6 ft)
 24-24 pin
 HP-IB

**13222N**

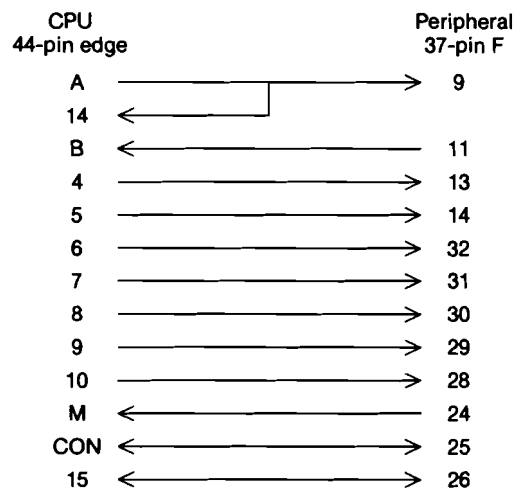
50-25 pin
 RS-232-C

**13232G**

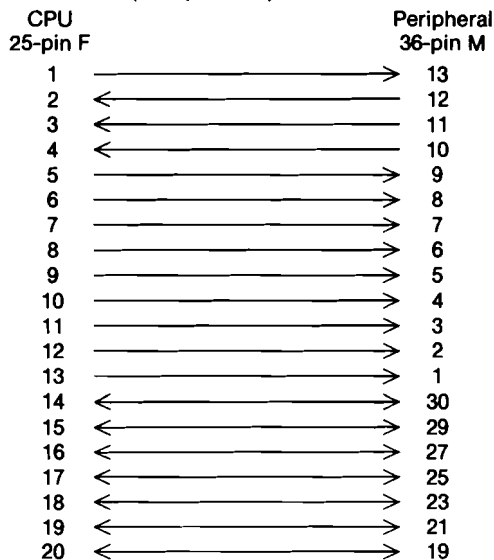
4.5 m (15.0 ft)
 44-25 pin
 RS-232-C

**13232J**

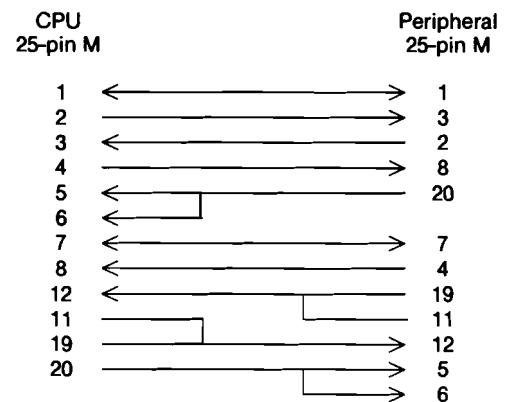
1.8 m (6.0 ft)
 44-37 pin
 Parallel

**13242D**

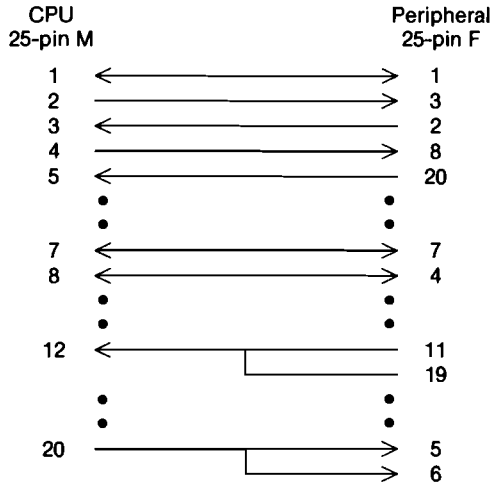
20 m (6.6 ft), 25-36 pin, Centronics

**13242G**

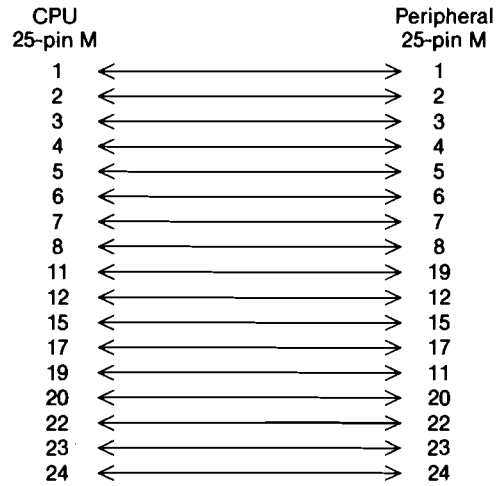
5.0 m (16.7 ft)
 also: 17255M M 1.0 m (3.3 ft)
 13242-60010 M 5.0 m (16.7 ft)
 25-25 pin
 RS-232-C



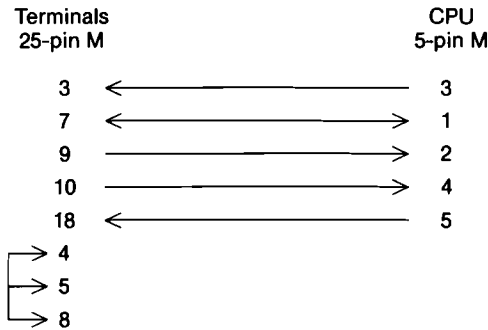
13242H
5.0 m (16.7 ft)
25-25 pin
RS-232-C



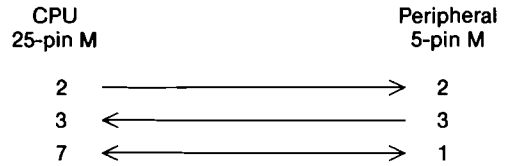
13242N
5.0 m (16.7 ft)
also: 13242-60001 M 5.0 m (16.7 ft)
25-25 pin
RS-232-C



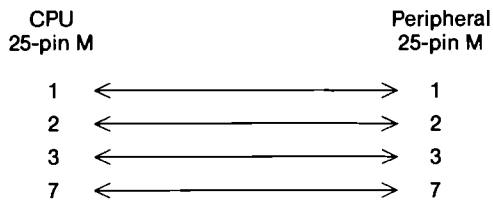
13242P
5.0 m (16.7 ft)
also: 13242-90013 M 5.0 m (16.7 ft)
25-5 pin
RS-422-A ATP



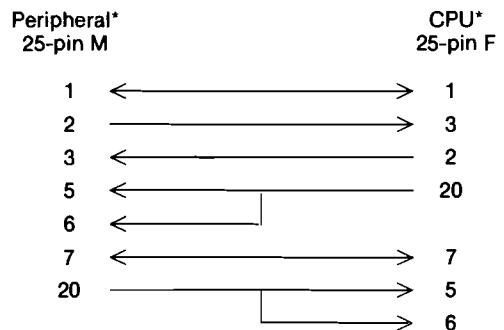
13242X
5.0 m (16.7 ft)
also: 92218D M 5.0 m (16.7 ft)
13242-90007 M 5.0 m (16.7 ft)
25-5 pin
RS-232-C



13242Y
5.0 m (16.7 ft)
also: 92218C M 15.0 m (50.0 ft)
13242-60005 M 5.0 m (16.7 ft)
25-25 pin
RS-232-C

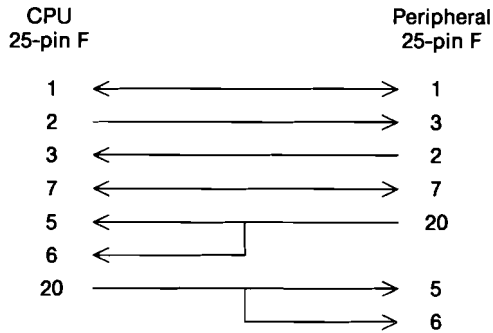


17255D
1.2 m (4.0 ft)
25-25 pin
RS-232-C

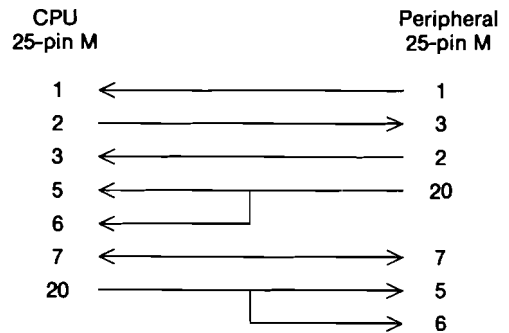


*In some configurations, the male connector will hook to the CPU and the female connector will hook to the peripheral.

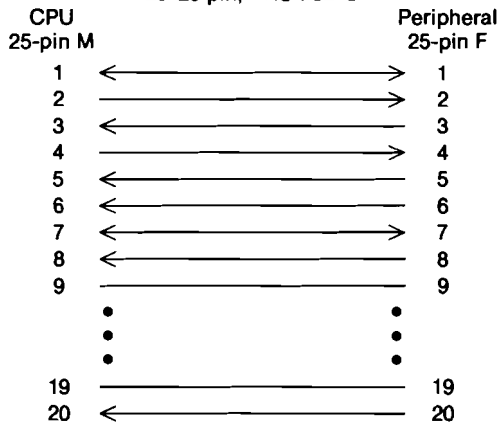
17255F
1.2 m (4.0 ft)
25-25 pin
RS-232-C



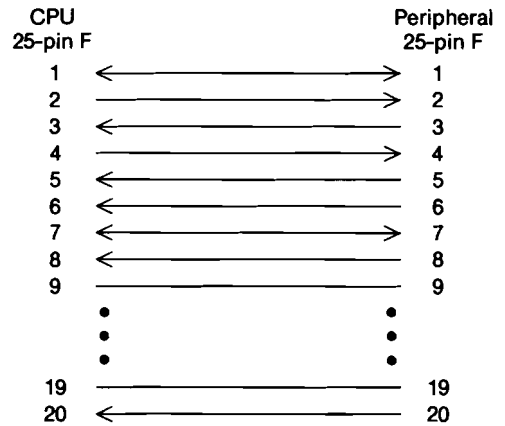
17255M
1.2 m (4.0 ft)
25-25 pin
RS-232-C



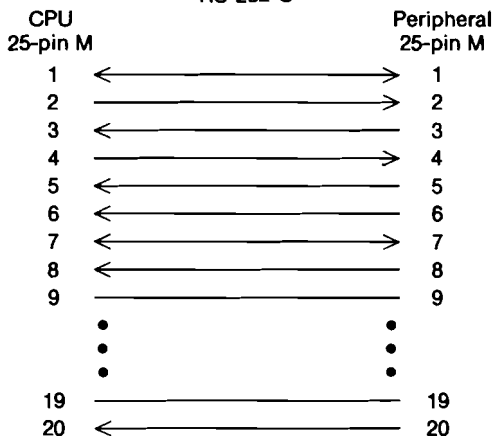
17355D
3.0 m (9.9 ft)
also: 31391A F 5.0 m (16.7 ft)
31391B F 10.0 m (33.4 ft)
30062C F 5.0 m (16.7 ft)
Opt. 001 15.0 m (50.0 ft), Opt. 002 30.0 m (100.0 ft)
25-25 pin, RS-232-C



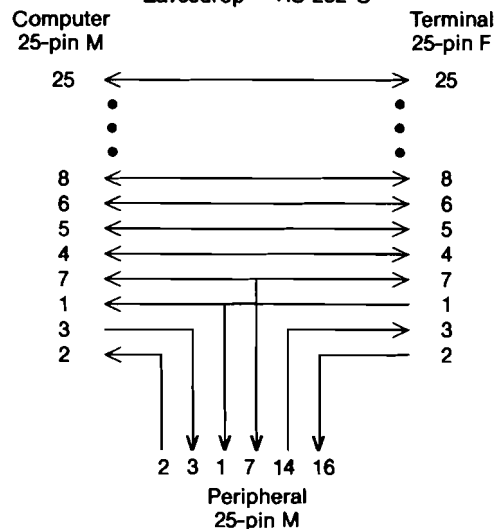
17355F
5.0 m (9.9 ft)
also: 92222F F 8.0 in.
92224F F 0.06 m (0.2 ft)
25-25 pin
RS-232-C



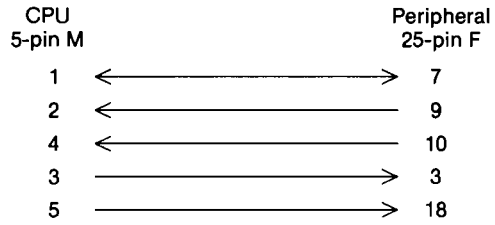
17355M
3.0 m (9.9 ft)
also: 17355A M
07221-60157 M
8120-3258 M 3.0 m (9.9 ft)
25-25 pin
RS-232-C



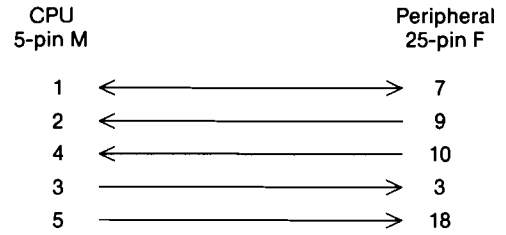
17455A
1.0 m (3.3 ft) 25-25-25 pin
Eavesdrop RS-232-C



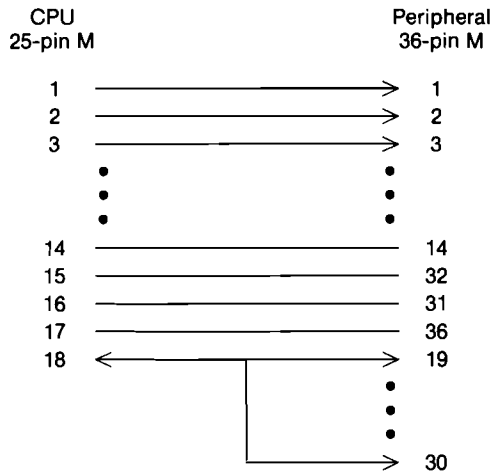
17855A
5.0 m (16.7 ft)
5-25 pin
RS-422-A



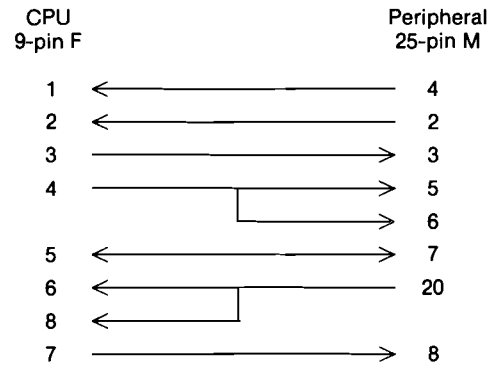
17855M
5.0 m (16.7 ft)
5-25 pin
RS-422-A



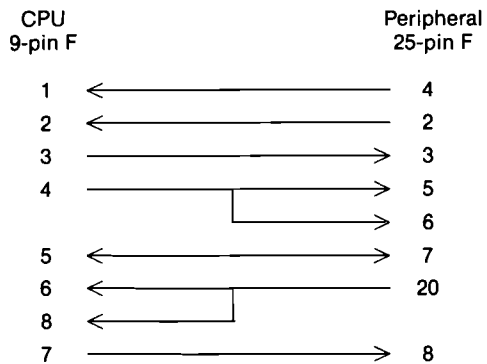
24542D
2.0 m (6.6 ft)
25-36 pin
Centronics



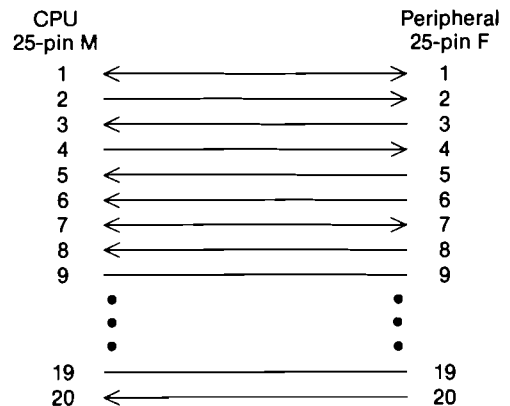
24542G
3.0 m (9.9 ft)
9-25 pin
RS-232-C



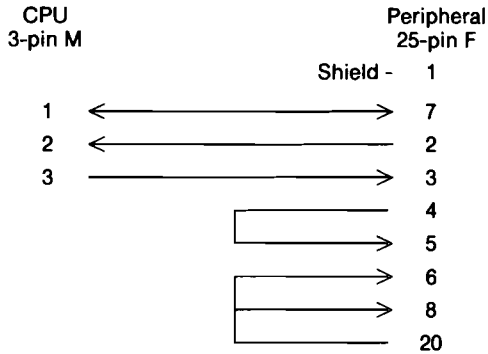
24542H
3.0 m (9.9 ft)
9-25 pin
RS-232-C



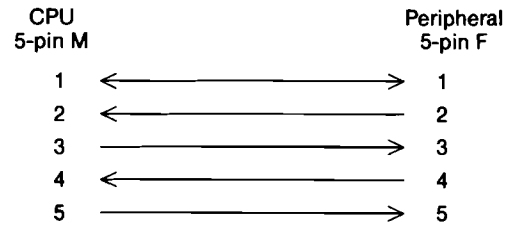
30062C
5.0 m (16.7 ft)
Opt. 001: 15.0 m (50.0 ft)
Opt. 002: 30.0 m (100.0 ft)
also: 31391A F 3.0 m (9.9 ft)
31391B F 10.0 m (33.4 ft)
17355D F 3.0 m (9.9 ft)
25-25 pin, RS-232-C



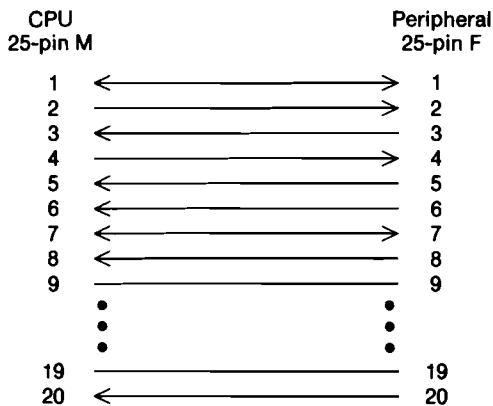
30152A
 5.0 m (16.7 ft)
 also: 30152-60001 F 5.0 m (16.7 ft)
 3-25 pin
 RS-232-C



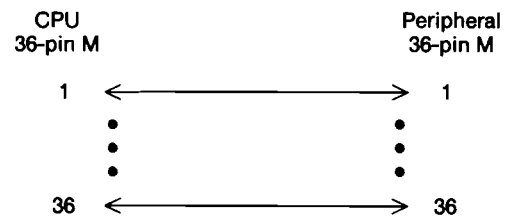
30154A
 30.0 m (100.0 ft)
 also: 30154-60001 F 30.0 m (100.0 ft)
 5-5 pin
 RS-422-A



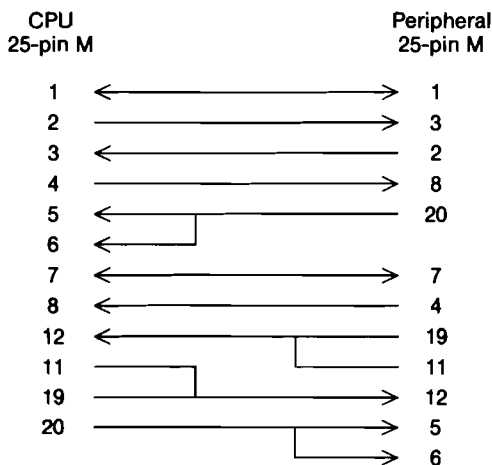
31391A
 A: 5.0 m (16.7 ft)
 B: 10.0 m (33.4 ft)
 also: 17355D F 3.0 m (9.9 ft)
 30062C F 5.0 m (16.7 ft)
 Opt. 001 15.0 m (50.0 ft)
 Opt. 002 30.0 m (100.0 ft)
 25-25 pin, RS-232-C



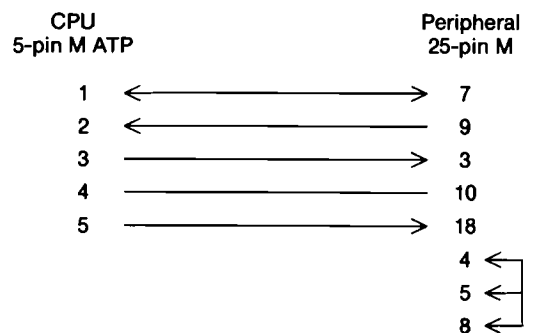
40242D
 1.0 m (3.3 ft)
 also: 40242-60009 M 1.0 m (3.3 ft)
 36-36 pin
 Centronics
 (parallel)



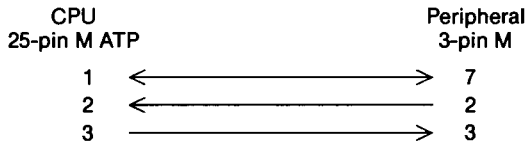
40242G
 5.0 m (16.7 ft)
 25-25 pin
 RS-232-C



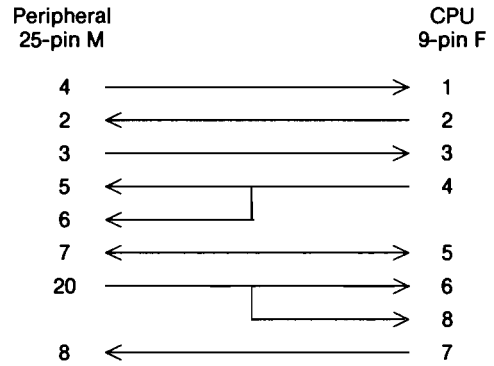
40242P
 5.0 m (16.7 ft)
 also: 40242-60007 M 5.0 m (16.7 ft)
 5-25 pin
 RS-422-A ATP



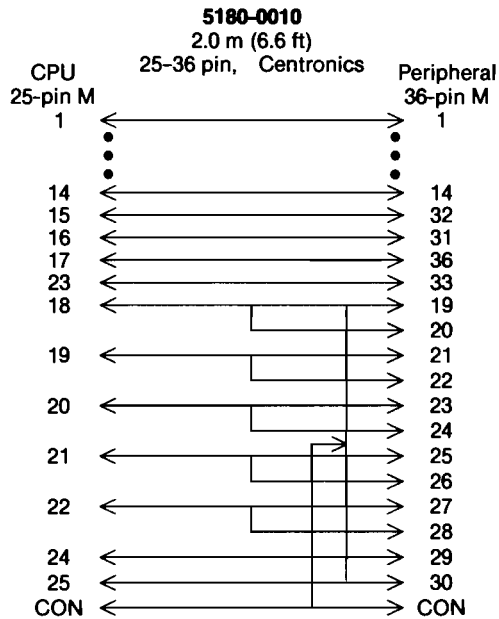
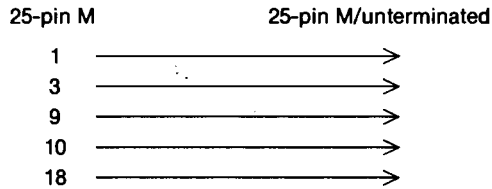
40242X
 5.0 m (16.7 ft)
 also: 40242-60005 M 5.0 m (16.7 ft)
 25-3 pin
 RS-232-C



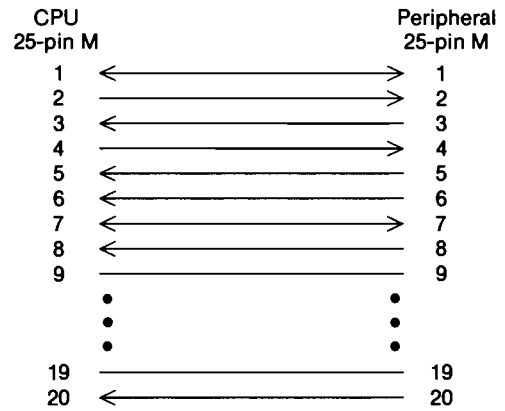
45911-60009
 1.5 m (5 ft)
 9-25 pin
 RS-232-C



45114A
 1.5 m (5.0 ft)
 ASI to RS-422-A

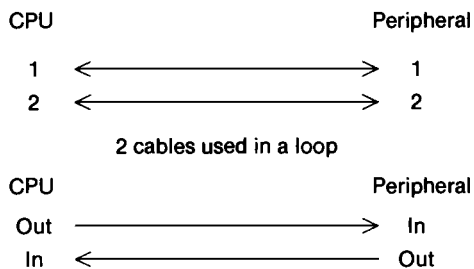


8120-3258
 3.0 m (9.9 ft)
 also: 17355A M
 17355M M 3.0 m (9.9 ft)
 07221-60157 M
 25-25 pin
 RS-232-C

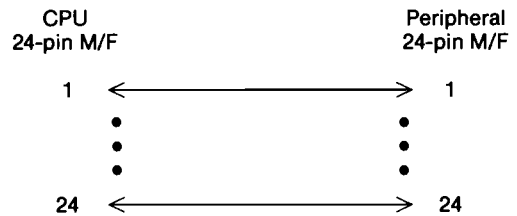


82167A/B/D
 A: 0.5 m (1.6 ft)
 B: 1.0 m (3.3 ft)
 D: 5.0 m (16.7 ft)

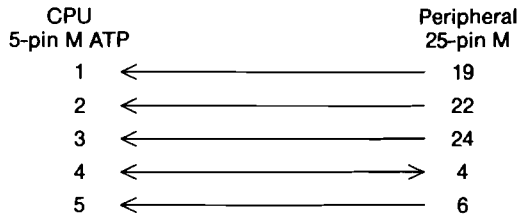
HP-IL



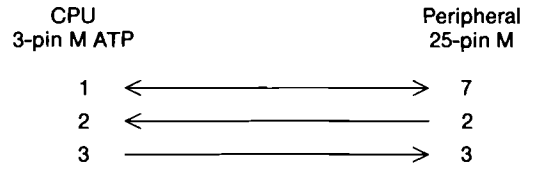
82977A/B
 A: 1.0 m (3.3 ft)
 B: 2.0 m (6.6 ft)
 24-24 pin
 HP-IB for Integral PC
 (Has ferrite choke and right angle connector)



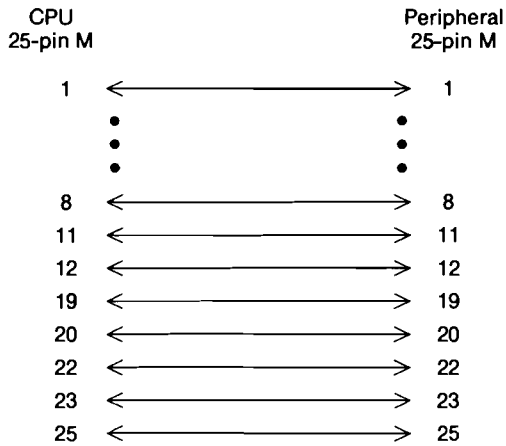
92216C
 5.0 m (16.7 ft)
 5-25 pin
 RS-422-A



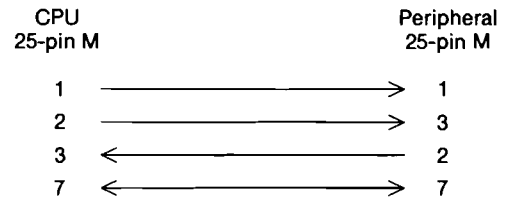
92218D
 5.0 m (16.7 ft)
 3-25 pin
 RS-232-C



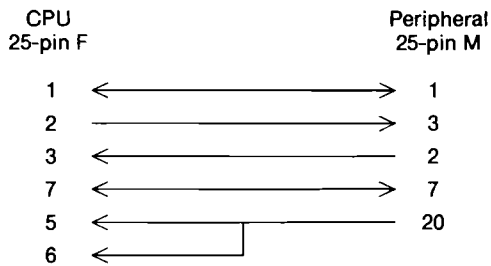
92219G
 3.8 m (12.5 ft)
 25-25 pin
 RS-232-C



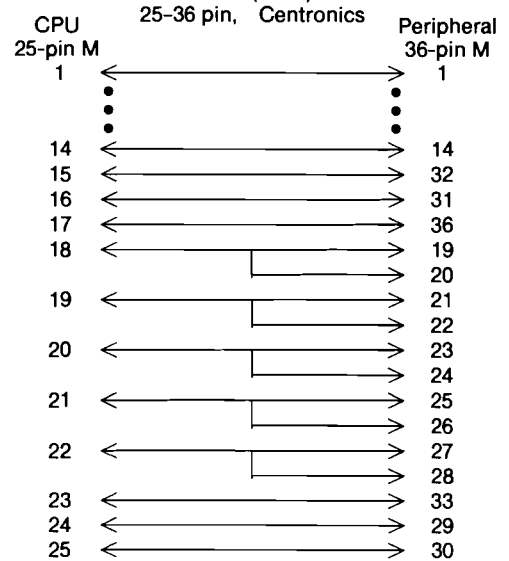
92219H
 5.0 m (16.7 ft)
 25-25 pin
 RS-232-C



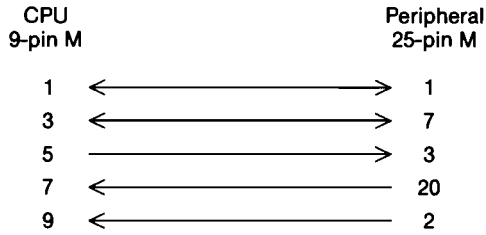
92219J
 5.0 m (16.7 ft)
 25-25 pin
 RS-232-C



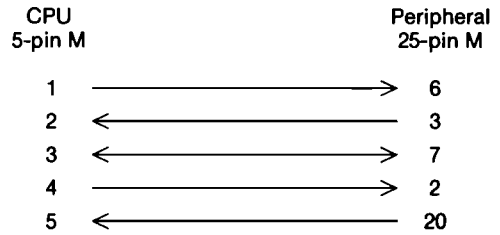
92219K
 2.7 m (9.0 ft)



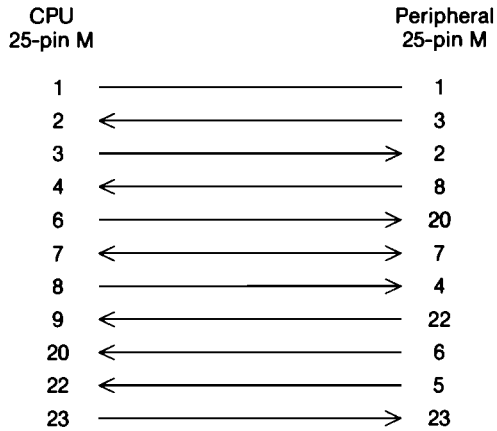
92219M
1.5 m (5.0 ft)
9-25 pin
RS-232-C



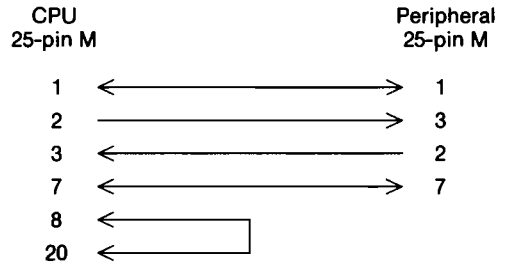
92219N
1.5 m (5.0 ft)
5-25 pin
RS-232-C



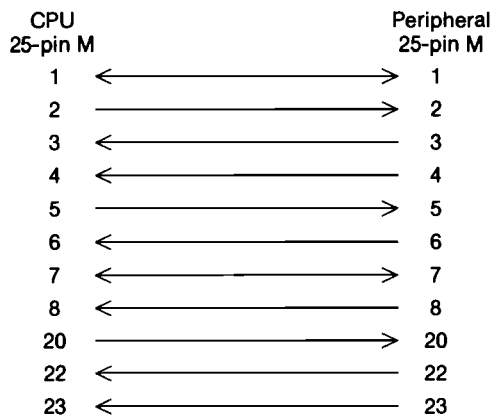
92219Q
1.0 m (3.3 ft)
also: 28659-63005 M 1.0 m (3.3 ft)
25-25 pin
DCE-to-DTE



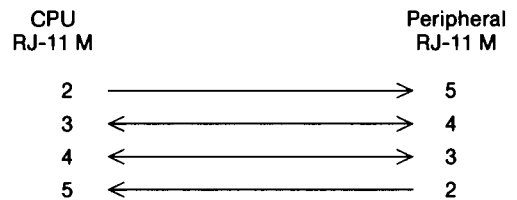
92219R
15.0 m (50.0 ft)
also: 98642-66507 M 15.0 m (50.0 ft)
25-25 pin
RS-232-C



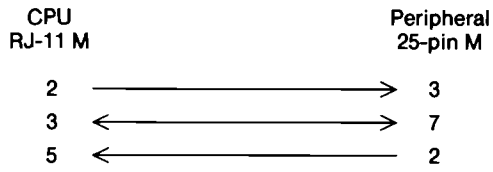
92219S
5.0 m (16.7 ft)
also: 98642-66506 M 5.0 m (16.7 ft)
25-25 pin
RS-232-C



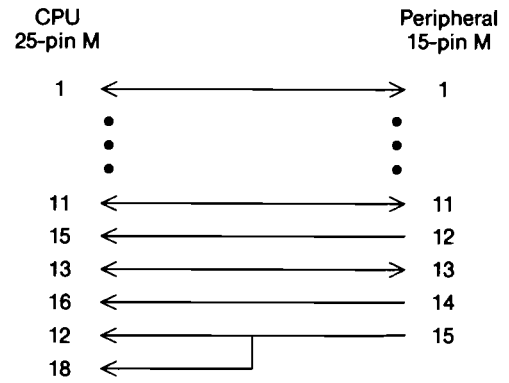
92219T
15.0 m (50.0 ft)
also: 98642-66505 M 15.0 m (50.0 ft)
RJ-11 to RJ-11
RS-232-C



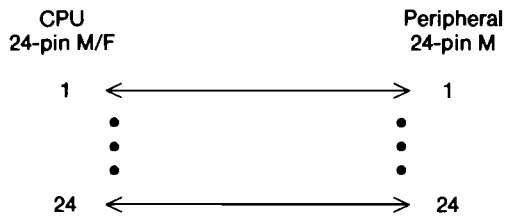
92219U
 5.0 × 6.0 cm (2.0 × 2.3 in.)
 also: 98642-66508 M 5.0 × 6.0 cm (2.0 × 2.3 in.)
 RJ-11/25-pin adapter



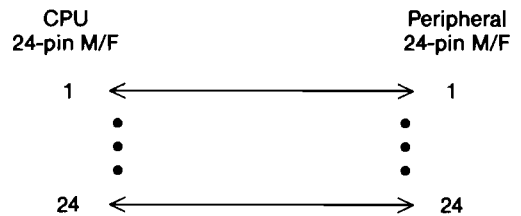
92219Z
 1.0 m (3.3 ft)
 25-15 pin
 Centronics



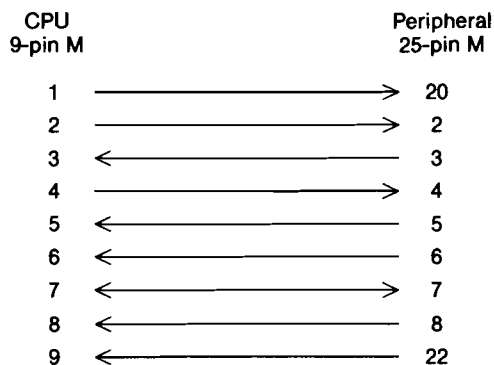
92220E
 0.6 m (2.0 ft)
 24-24 pin
 Touchscreen II interface cable



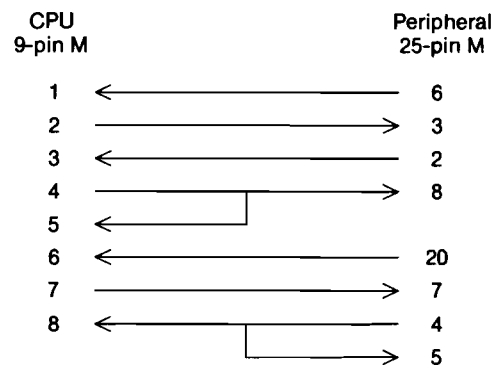
92220R
 0.3 m (1.0 ft)
 24-24 pin
 HP-IB w/right angle connector



92221M
 1.5 m (5.0 ft)
 9-25 pin
 RS-232-C

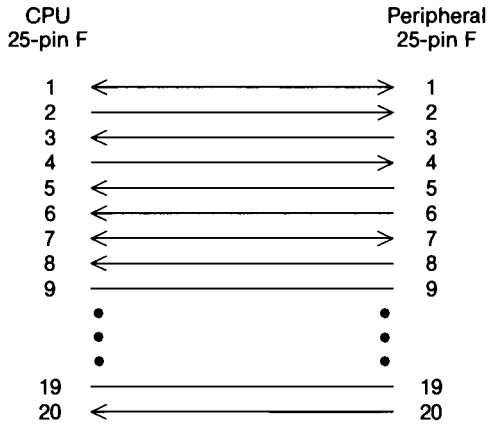


92221P
 1.5 m (5.0 ft)
 9-25 pin
 RS-232-C



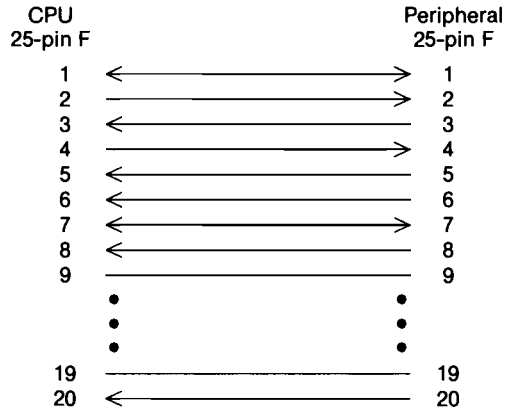
92222F

8.0 in.
also: 17355F F 3.0 m (9.9 ft)
92224F F 0.06 m (0.2 ft)
25-25 pin
Gender Converter
RS-232-C



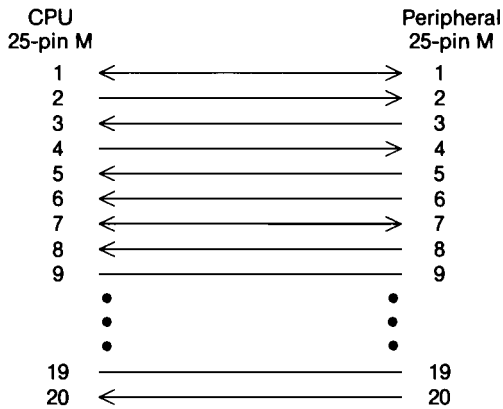
92224F

0.06 m (0.2 ft)
also: 17355F F 3.0 m (9.9 ft)
92222F F 8.0 in.
25-25 pin
Gender Converter
RS-232-C



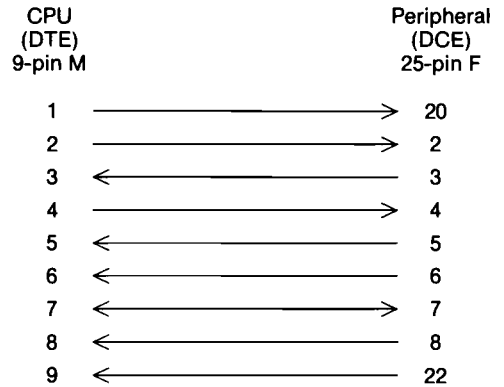
92224M

2.0 in.
25-25 pin
Gender Converter
RS-232-C



98561-61604

11.0 in.
9-25 pin
RS-232-C



Replacement Cables

Peripheral Configuration Guide Number	DMK Replacement Cable Number
13222N	13222-60001
13242G	13242-60010
13242H	13242-60011
13242M	13242-60002 and 92218B
13242N	13242-60001
13242X	92218D
13242Y	13242-60005 and 92218C
30062B	30062-60022
30062B OPT 001	30062-60023
30062C	31391A
30062C OPT 001	92215F
30062C OPT 002	92215T
30062D	30062-60018 and 92215A
30152A	30152-60001
30153A	30153-60001
30154A	30154-60001

(Order All Replacement Cables from DMK)

Field Input

Are there cables you would like to see stocked at DMK for quick delivery? If so, list them and return this portion of the page to:

Hal Eubanks
Direct Marketing Division
1320 Kifer Road
Sunnyvale, CA 94086

Stock the following cables for quick delivery.



Peripherals Configuration Guide

workstation discs					
system discs					
tape drives					
workstation printers					
system printers					
Asian printers					
color graphics printers					
plotters					
terminals					

PRODUCT FEATURES

Disc Memory Division

Workstation Discs

TECHNICAL FEATURES	3 1/2" Double-sided Flexible Discs 9122D/S 9133L 9153A/B			3 1/2" Double-sided Flexible Discs 9153C			3 1/2" Portable Flexible Discs 9114B			3 1/2" Double-sided Flexible Discs 9123D		5 1/4" Flexible Discs 9127A**
	Dual	1260K	1420K	1576K	--	--	--	--	--	--	1420 Kbytes	360 KB (PCDOS) 240 KB (HP Format)
Formatted Capacity*	Single	630K	710K	788K	1.26 Mb	1.42 Mb	1.58 Mb	630K	710K	788K	--	512 (PCDOS) 256 (HP)
Bytes per Sector*		256	512	1024	256	512	1024	256	512	1024	512	8 or 9 (PCDOS) 16 (HP Format)
Sectors per Track		16	9	5	32	18	10	16	9	5	9	
Recording Surfaces/Disc		2			2			2			2	2
Total Tracks per Surface§		80			80			80			80	40 (PCDOS) 35 (HP Format)
Tracks per Inch		135			135			135			135	48
Recording Format		Double Density			Double Density			Double Density			Double Density	Double Density
Max. Sustained Transfer Rate†		18 Kbytes/s			30 Kbytes/s			6 Kbytes/s			12.4 Kbytes/s	11.0 Kbytes/s
Average Access Time‡		175 ms 478 ms (microfloppy in 9133L)			200 ms			175 ms			175 ms	193 ms (on) 443 ms (off)
Rotational Speed		600 rpm			300 rpm			600 rpm			600 rpm	300 rpm
Media Part Number (10 pack)		HP 92192A			HP 92192X			HP 92192A			HP 92192A	HP 92190A

*Mainframe dependent — The following default values are used:
 — Series 200 256 bytes/sector — 630,784 bytes of capacity
 — HP 150 512 bytes/sector — 709,632 bytes of capacity
 — HP-UX 1024 bytes/sector — 788,480 bytes of capacity

†Mainframe dependent (use the following when the competition quotes mechanism transfer rates):
 3.5" Flexible — 500 Kbits/s
 5.25" Flexible — 250 Kbits/s
 8" Flexible — 500 Kbits/s
 3.5" Winchester — 4 Mbits/s
 5.25" Winchester — 5 Mbits/s

‡Average Access Time is defined as the Average Seek Time + 1/2 of a rotational latency. Since this is independent of Transfer Rate, a device may have a faster Average Access Time than another device and a slower Transfer Rate than the same device.

§This includes usable tracks and tracks used for spares and system overhead.

**The 9127A replaces the 9125S.

Disc Memory Division

Workstation Discs

TECHNICAL FEATURES	10 Mbyte Winchesters	20 Mbyte Winchesters	40 Mbyte Winchesters	10, 20, & 40 Mbyte Winchesters	
	9153A 9154A	9153B 9154B	9133L 9134L	9153C	
Formatted Capacity*	10 Mbytes	20 Mbytes	39.9 Mbytes	10, 20, 40 Mbytes	
			44.8 Mbytes (Opt. 001)		
Bytes per Sector	256	256	256 1024 (#001)	256	
Sectors per Track	29 (includes spare)	29 (includes spare)	32 9 (#001)	29 (includes spare)	
Recording Surfaces/Disc	2	2	5	2§	
Total Tracks per Surface‡	698	1408	977	1400	
Tracks per Inch	1100	1850	960	1800	
Recording Format	—	—	—	—	
Max. Sustained Transfer Rate*	145 Kbytes/s	185 Kbytes/s	145 Kbytes/s	185 Kbytes/s	
Average Access Time†	85 ms	75 ms	48 ms	75 ms	
Rotational Speed	3000 rpm	3000 rpm	3600 rpm	3000 rpm	
Media Part Number (10 pack)	—	—	—	—	

*Mainframe dependent (use the following when the competition quotes mechanism transfer rates:

3.5" Flexible — 500 Kbits/s
 5.25" Flexible — 250 Kbits/s
 8" Flexible — 500 Kbits/s
 3.5" Winchester — 4 Mbits/s
 5.25" Winchester — 5 Mbits/s

†Average Access Time is defined as the Average Seek Time + 1/2 of a rotational latency. Since this is independent of Transfer Rate, a device may have a faster Average Access Time than another device and a slower Transfer Rate than the same device.

‡This includes usable tracks and tracks used for system overhead and spares.

§Two discs in 40 Mbyte 9153C.

TECHNICAL FEATURES	20 Mbyte Vectra Internal Subsystem 45816A			
Formatted Capacity	20.07 Mbytes			
Bytes per Sector	256			
Sectors per Track	29			
Recording Surfaces/Disc	2			
Total Tracks per Surface‡	1408			
Tracks per Inc	1850			
Recording Format	—			
Max. Sustained Transfer Rate*	175 Kbytes/s			
Average Access Time†	83 ms			
Rotational Speed	3000 rpm			
Media Part Number (10 pack)	—			

*Mainframe dependent (use the following when the competition quotes mechanism transfer rates:

- 3.5" Flexible — 500 Kbits/s
- 5.25" Flexible — 250 Kbits/s
- 8" Flexible — 500 Kbits/s
- 3.5" Winchester — 4 Mbits/s
- 5.25" Winchester — 5 Mbits/s

†Average Access Time is defined as the Average Seek Time + 1/2 of a rotational latency. Since this is independent of Transfer Rate, a device may have a faster Average Access Time than another device and a slower Transfer Rate than the same device. Product data sheet may not include the 1/2 latency.

‡This includes usable tracks and tracks used for system overhead and spares.

TECHNICAL FEATURES	1/4" Tape Backup 9142A				
Formatted Capacity	600 ft up to 60 MB	150 ft up to 15 MB			
Tracks per Tape	16				
User Blocks/Track (max)	600 ft 915	150 ft 228			
Frames/Block	6				
Bytes/Frame	up to 1024				
Tracks per Inch	64				
Recording Format	Encoding GCR Bit density 9600 bits/inch				
Recording Surfaces	1				
Max. Sustained Transfer Rate*	1.8 Mbytes/min (verify off) 1.0 Mbyte/min (verify on)				
Rotational Speed	(read/write) 62.5 inches/s (search/rewind) 90.0 inches/s				
Media Part Number (Box of 5 Cartridges)	15 MB: 92242S 60 MB: 92242L				

*Mainframe dependent (use the following when the competition quotes mechanism transfer rates: 1/4" tape drives 600 Kbits/s.

Disc Memory Division

System Discs

FEATURES		7906†	7907	7941§	7942	7911§	7920‡	7945§
P E R F O R M A N C E	Capacity	19.6 Mbytes	41 Mbytes	24 Mbytes	24 Mbytes	28.1 Mbytes	50 Mbytes	55 Mbytes
	Removable Media	9.8 Mbytes Removable	20.5 Mbytes Removable		*	*	50 Mbytes Removable	
	Media Part Number	HP 12940A	HP 97907A		HP 88140LC (600 ft) or 88140SC (150 ft) (box of 5)	HP 88140LC (600 ft) or 88140SC (150 ft) (box of 5)	HP 13394A	
	Average Data Transfer	749 Kbytes/s	600 Kbytes/s	500 Kbytes/s	500 Kbytes/s	835 Kbytes/s	749 Kbytes/s	500 Kbytes/s
	Average Seek	25 ms	30 ms	30 ms	30 ms	27.1 ms	30 ms	30 ms
	Cartridge Tape Drive (Back-up & I/O)				X	X		
	HP-IB	Opt 102 (Master) or "H" Series	X	X	X	X	Opt 102 (Master) or "H" Series	X
	Multi-CPU Capability	X (M or S)					X (M or S)	
R E L I A B I L I T Y	Error Correction	X (M and S)	X	X	X	X (Real-Time)	X (M and S)	X
	Internal Diagnostics		X	X	X	X		X
	Auto Head Alignment		N/A	N/A	N/A	N/A		N/A

*Data removability is supplied through the cartridge tape drive.

†Product no longer in production — end of support life 10-1-96. Remarketed products available from FRD.

‡Product no longer in production — end of support life 6-1-96. Remarketed products available from FRD.

§Product discontinuance announced 2-15-87.

Disc Memory Division

System Discs

FEATURES		7946	7912§	7925‡	7914§	7914TD†**	7914CT§	7933H††
						7914ST†		7933HR
PERFORMANCE	Capacity	55 Mbytes	65.6 Mbytes	120 Mbytes	132.1 Mbytes	132.1/ 264.2 Mbytes	132.1 Mbytes	404 Mbytes
	Removable Media	.	.	120 Mbytes Removable	.	½" Mag Tape Std Additional Available	.	
	Media Part Number	HP 88140LC (600 ft) or 88140SC (150 ft) (box of 5)	HP 88140LC (600 ft) or 88140SC (150 ft) (box of 5)	HP 13394A			HP 88140LC (600 ft) or 88140SC (150 ft) (box of 5)	
	Average Data Transfer	500 Kbytes/s	835 Kbytes/s	749 Kbytes/s	835 Kbytes/s		835 Kbytes/s	1000 Kbytes/s
	Average Seek	30 ms	27.1 ms	25 ms	28.1 ms		28.1 ms	24 ms
	Cartridge Tape Drive (Back-up & I/O)	X	X		X	(Optional)	(Optional)	
	HP-IB	X	X	Opt 102 (Master) or "H" Series	X	X	X	X
	Multi-CPU Capability			X (M or S)				X
RELIABILITY	Error Correction	X	X (Real-Time)	X (M and S)	X (Real-Time)	X (Real-Time)	X (Real-Time)	X (Real-Time)
	Internal Diagnostics	X	X		X	X	X	X
	Auto Head Alignment	N/A	N/A		N/A	N/A	N/A	X

* Product discontinuance announced 2-15-87.

† 7914ST contains a 7974 mag tape, and may also include a cartridge tape.

‡ Product no longer in production — end of support life 6-1-96. Remarketed products available from FRD.

§ Product discontinuance announced 2-15-87. End of production 11/1/87.

** Product discontinuance announced 2-15-87.

†† Products removed from CPL 12-1-87. Remarketed 7933HR available from FRD.

Disc Memory Division

System Discs

FEATURES		7935H**	7933XP*‡	7935XP*	7936H/XP	7937H/XP	7957A	7958A
		7935HR	7933XR	7935XR**				
P E R F O R M A N C E	Capacity	404 Mbytes	404 Mbytes	404 Mbytes	307 Mbytes	571 Mbytes	81 Mbytes	130 Mbytes
	Removable Media	404 Mbytes		404 Mbytes				
	Media Part Number	HP 97935A		HP 97935A				
	Average Data Transfer	1000 Kbytes/s	1000 Kbytes/s	1890 Kbytes/s	1890 Kbytes/s	1890 Kbytes/s	853 Kbytes/s	853 Kbytes/s
	Average Seek	24 ms	24 ms†	24 ms†*	20.5 ms	20.5 ms	29 ms	29 ms
	Cartridge Tape Drive (Back-up & I/O)							
	HP-IB	X	X	X	X	X	X	X
	Multi-CPU Capability	X						
R E L I A B I L I T Y	Error Correction	X (Real-Time)	X (Real-Time)	X (Real-Time)	X (Real-Time)	X (Real-Time)	X (Real-Time)	X (Real-Time)
	Internal Diagnostics	X	X	X	X	X	X	X
	Auto Head Alignment	X	X	X	N/A	N/A	N/A	N/A

* Contains a cache memory for performance improvement on HP 3000 system.

† With 70% hit rate in controller cache total average Access Time is 14 ms.

‡ Product removed from CPL 12-1-87. Remarketed 7933XR available from FRD.

Greeley Tape Operation

Tape Drives

FEATURES	7970B/BR†	7970E/ER†	7974A/AR†
Density	800 CPI	1600 CPI	1600 CPI 800 CPI optional
Format	NRZI ANSI Std	PE Ansi Std	PE NRZI optional ANSI Std
Approx Formatted Capacity (2400 ft reel)	20 Mbytes	40 Mbytes	40/20 Mbytes
Read/Write Tape Speed (Inches per Second)	45	45	100 (Streaming) 50 (Start/Stop)
Burst Transfer Rate*	36 Kbytes/sec	72 Kbytes/sec	160/80 Kbytes/sec
Rewind Speed	160 IPS	160 IPS	200 IPS
Interface	Parallel	Parallel or HP-IB	HP-IB
Tape Buffering	Tension Arm	Tension Arm	Tension Arm
Data Buffering	None	128 Byte (HP-IB only)	32 Kbyte FIFO Buffer
Operating Mode	Start/Stop	Start/Stop	Start/Stop or Streaming Mode
Cabinet Styles	Lo-boy, Upright (7971A), or Rackmount	Lo-boy, Upright (7971A), or Rackmount	Upright
Length of Cable	4.6 m	6 m	2 m
Media Part Number (10 pack)	HP 92150D (600 ft) HP 92150E (1200 ft) HP 92150F (2400 ft)	HP 92150D (600 ft) HP 92150E (1200 ft) HP 92150F (2400 ft)	HP 92150D (600 ft) HP 92150E (1200 ft) HP 92150F (2400 ft)

*Burst transfer rates do not necessarily reflect system throughput which varies depending upon application, file structures, and host/tape driver implementation.

†AR, BR, ER versions available as remarketed products from FRD.

Greeley Tape Operation

Tape Drives

FEATURES	7978A/B/BR	7979A	7980A
Density	6250/ 1600 CPI	1600 CPI	6250/ 1600 CPI
Format	GCR/PE ANSI Std	PE ANSI Std	GCR/PE ANSI Std
Approx Formatted Capacity (2400 ft reel)	140/40 Mbytes	40 Mbytes	140/40 Mbytes
Read/Write Tape Speed (Inches per Second)	75	125	125
Burst Transfer Rate*	468/120 Kbytes/sec	200 Kbytes/sec	781/200 Kbytes/sec
Rewind Speed	250 IPS	400 IPS	400 IPS
Interface	HP-IB	HP-IB	HP-IB
Tape Buffering	None	None	None
Data Buffering	32/256 Kbyte FIFO Buffer	512 Kbyte FIFO Buffer	512 Kbyte FIFO Buffer
Operating Mode	Streaming Mode	Streaming Mode	Streaming Mode
Cabinet Styles	7978A Upright only 7978B Upright or Rackmount	1 m High Rosebud or Rackmount	1 m High Rosebud or Rackmount
Length of Cable	2 m	2 m	2 m
Media Part Number (10 pack)	HP 92150D (600 ft) HP 92150E (1200 ft) HP 92150F (2400 ft)	HP 92150D (600 ft) HP 92150E (1200 ft) HP 92150F (2400 ft)	HP 92150D (600 ft) HP 92150E (1200 ft) HP 92150F (2400 ft)

*Burst transfer rates do not necessarily reflect system throughput which varies depending upon application, file structures, and host/tape driver implementation.

FEATURES	9144A/AR†	35401A	
Density	10000 BPI	10000 BPI	
Format	HCD-75	HCD-75	
Tracks per Tape	16	16	
User Blocks per Track (Maximum)	600 ft 150 ft 4088 1022	600 ft 150 ft 4088 1022	
Frames per Block	6	6	
Bytes per Frame	256	256	
Tracks per Inch	64	64	
Recording Surface	1	1	
Approx Formatted Capacity (Mbytes)	16.7/67 Mbytes per cartridge	16.7/67 per cartridge 536.8 maximum	
Read/Write Tape Speed (Inches per Second)	60	60	
Burst Transfer Rate*	75 Kbytes/sec	75 Kbytes/sec	
Rewind Speed (Inches per Second)	90 Rewind and Search	90 Rewind and Search	
Interface	HP-IB	HP-IB	
Tape Buffering	None	None	
Data Buffering	12 Kbyte FIFO Buffer	12 Kbyte FIFO Buffer	
Operating Mode	Streaming Mode	Streaming Mode	
Cabinet Styles	Desktop ITF Package	Desktop ITF Package	
Length of Cable	None	1 m	
Media Part Number (5 pack)	HP 88140LC (600 ft) or HP 88140SC (150 ft)	HP 88140LC (600 ft) or HP 88140SC (150 ft)	

*Burst transfer rates do not necessarily reflect system throughput which varies depending upon application, file structures, and host/tape driver implementation.

†AR versions available as remarketed products from FRD.

Vancouver Division

Workstation Printers

FEATURES		2601A*	2602A*	2603A	82905B*	82906A	2225X	2227A/B	2228A
Supporting Division		VCD	VCD	VCD	VCD	VCD	VCD	VCD	VCD
Dot Matrix/ Full Font		Full	Full	Full	7 × 9 Dot	7 × 9 Dot	11 × 12 Dot	11 × 12 Dot	11 × 12 Dot
Impact or Thermal		Impact	Impact	Impact	Impact	Impact	InkJet	InkJet	InkJet
Single Sheet Paper, Roll, or Fanfold Paper		Single Sheet or Fanfold	Single Sheet or Fanfold	Single Sheet or Fanfold	Fanfold	Single Sheet or Fanfold	Single Sheet or Fanfold	Single Sheet or Fanfold	Single Sheet or Fanfold
INTERFACES AVAILABLE	RS-232-C	Std	Std	Std	Opt	—	2225D	Std	Std
	HP-IB	—	Opt	—	Opt	Std	2225A 2225B	—	—
	8-Bit Parallel	—	—	—	Opt	—	—	—	—
	Data Link/ MTS	—	—	—	—	—	—	—	—
	Centronics	—	—	—	Opt	—	2225C 2225P (battery powered)	Std	Std
Print Speed(s)		40 CPS	25 CPS	48 CPS	80 CPS	160 CPS	150 CPS at 12 cpi	160/40 at 10 cpi	160/40 at 10 cpi
Paper Width		Up to 15"	Up to 15.2"	Up to 16.7"	Up to 10"	Up to 10"	8.5"	Up to 15"	Up to 8.8"
Expanded/ Compressed Print		10 char/inch 12 char/inch	10 char/inch 12 char/inch	10 char/inch 12 char/inch 15 char/inch	Both	Both	Both	Both	Both
Raster/Graphics Dump		—	—	—	72 × 60 dots/inch	72 × 72 dots/inch	96 × 96 192 × 96 dots/inch	96 × 96 192 × 96 192 × 192	96 × 96 192 × 96 192 × 192
Multi-Lingual		Multi- Lingual Daisywheel	Multi- Lingual Daisywheel	Multi Lingual Daisywheel	—	Std	Std	Std	Std
Linedrawing Character Set		—	—	—	—	—	—	Std	Std
Math Character Set		—	—	—	—	—	—	—	—
Other		Letter Quality (*Discontinued)	Letter Quality (*Discontinued)	Letter Quality	Epson Printer (*Discontinued)	Epson Printer	2225B (HP-IL, battery powered)	Near-Letter Quality	Near-Letter Quality
Ribbon/ Cartridge		92151C Multi-Strike 92151D Multi-Strike	92151H	92271A Continuous 92271E Multi-Strike	92156A	92156A	92261A Black Cartridge 51605B Blue 51605G Green 51605R Red		

Vancouver Division

Workstation Printers

FEATURES		2932A	2934A	2671A*	2671G*	2673A*	2235A
Supporting Division		VCD	VCD	VCD	VCD	VCD	VCD
Dot Matrix/Full Font		9 × 12	9 × 12 or 18/36 × 24 Dots	7 × 11 Dot	7 × 11 Dot	7 × 11 Dot	
Impact or Thermal		Impact	Impact	Thermal	Thermal	Thermal	Impact
Single Sheet Paper Roll or Fanfold Paper		Fanfold	Single Sheet or Fanfold	Roll or Fanfold	Roll or Fanfold	Roll or Fanfold	
I N T E R F A C E S A V A I L A B L E	RS-232-C	RS-232-C Std RS-422-A Opt	RS-232-C Std RS-422-A Opt	RS-232-C Opt	RS-232-C Opt	RS-232-C Opt	
	HP-IB	Opt	Opt	Std	Std	Std	
	8-Bit Parallel	—	—	Opt	Opt	Opt	
	Data Link/MTS	—	Opt	—	—	—	
	Centronics	Opt	Opt	Opt	Opt	Opt	
Print Speed(s)		200 CPS	200/67/40 CPS	120 CPS	120 CPS	120 CPS	
Paper Width		Up to 15.75"	Up to 15.75"	8.5"	8.5"	8.5"	
Expanded/Compressed Print		Both	Both	Compressed	Compressed	Both	
Raster/Graphics Dump		90 × 90 dots/inch	90 × 90 dots/inch	—	90 × 90 dots/inch	90 × 90 dots/inch	
Multi-Lingual		Std	Std	—	—	Std	
Linedrawing Character Set		Std	Std	Std	Std	Std	
Math Character Set		Std	Std	—	—	—	
Other		—	Bar Codes & Near-Letter Quality	Alpha Only (*Discontinued)	Alpha & Graphics	Alpha & Enhanced Graphics	
Ribbons/Thermal Paper		92155L	92155L Std 92155M OCR	92160B and Other Papers	92160B and Other Papers	92160B and Other Papers	92156S
* Discontinued.							

Boise Division

System Printers

FEATURES		2563B	2564B	2566B	2567B	2680A
P E R F O R M A N C E	LPM	300	600	900	1200	2700 LPM 45 PPM
	Pages/Hr*	480	960	1440	1920/2560	180 to 2700
C H A R A C T E R I S T I C	Dot Matrix	Yes	Yes	Yes	Yes	Yes
	High Speed Draft	No	No	No	1600 LPM	No
Available Printer Interfaces		HP-IB RS-232-C RS-422-A 2608A Parr. Diff. Centronics MTS Dataproducts	HP-IB RS-232-C RS-422-A Centronics Dataproducts	HP-IB RS-232-C RS-422-A Centronics Dataproducts	HP-IB RS-232-C RS-422-A Centronics Dataproducts	HP-IB
C A P A B I L I T Y	Long Cables	RS-232-C 50 feet RS-422-A 4000 feet HP-IB Extenders 750 feet	RS-232-C RS-422-A HP-IB Extenders Dataproducts	RS-232-C RS-422-A HP-IB Extenders Dataproducts	RS-232-C RS-422-A HP-IB Extenders Dataproducts	HP-IB Extenders Up to 750 feet
	Data Comm	Remote Spooled via MTS ‡ Also 2334A	‡			
F E A T U R E S	Multiple Character Sets	16 Maximum Resident	16 Maximum Resident	16 Maximum Resident	16 Maximum Resident	32 Maximum Resident
	OCR†	OCR — A & B	OCR — A & B	OCR — A & B	No	OCR — A & B
	Barcode†	Yes	Yes	Yes	Yes	Yes
	Electronic Forms	No (Linedraw)	No (Linedraw)	No (Linedraw)	No (Linedraw)	Yes
	VFC	16 Channel Programmable	16 Channel Programmable	16 Channel Programmable	16 Channel Programmable	16 Channel Programmable
	Graphics	70 × 72 DPI 140 × 144 DPI	70 × 72 DPI 140 × 144 DPI	70 × 72 DPI 140 × 144 DPI	70 × 72 DPI 140 × 144 DPI	180 × 180 DPI
Ribbon/Toner Part Number	92158A Std 92158M OCR	92158A Std 92158M OCR	9282-0545	9282-0545	92180A Toner 92180D Drum	

* Printer hourly volumes are estimates based on worldwide empirical data. The formula used was LPM × 60/30 lines per page × 80%.

† Requires availability and installation of appropriate character set or HP label card. Readers vary, so test these applications thoroughly before finalizing sale.

‡ Refer to Modem Application Note 415-1 for HP 3000 (Part Number 5954-0789) for assistance; HP SUPPORT OVER MODEMS WITH MTS SOFTWARE OR 2334A.

Boise Division

System Printers

FEATURES		OEM'ed from Canon	2685C (26804C)	OEM'ed from Canon	OEM'ed from Ricoh	2689A
		LaserJet 2000 2684A, P, D		LaserJet Family 2686A, 2686D, Series II	2688A	
PERFORMANCE	LPM	1000 LPM 20 PPM	2700 LPM 45 PPM	480 LPM 8 PPM	720 LPM 12 PPM	2700 LPM 45 PPM
	Pages/Hr*	180 to 1000	180 to 2700	100 to 480	180 to 600	180 to 2700
CHARACTERISTICS	Dot Matrix	Yes	Yes	Yes	Yes	Yes
	Full Font	No	No	No	No	No
Available Printer Interfaces		RS-232-C RS-422-A Centronics Data Products	HP-IB	RS-232-C RS-422-A Centronics	HP-IB	Direct Channel Connect to Byte or Block Multiplexer
CAPABILITY	Long Cables	RS-232-C 50 feet RS-422-A 4000 feet	HP-IB Extenders Up to 750 feet	RS-232-C 50 feet RS-422-A 4000 feet	HP-IB Extenders Up to 750 feet	60 metres for Channel Cables 45 metres for Power Cables
	Data Comm		RJE MRJE NRJE	‡ 2334A		
FEATURES	Multiple Character Sets	16 per Page Maximum	32 Maximum Resident	2-8 on LJ 16 per page Maximum on LJ Plus/Series II	32 Maximum Resident	2 per Job Maximum
	OCR†	OCR A only	OCR — A & B	OCR A only	OCR — A & B	OCR — A & B
	Barcode†	Yes	Yes	Yes	Yes	Yes
	Electronic Forms	Yes	Yes	LJ Plus/ Series II	Yes	Yes
	VFC	Programmable to 1/48 inch increments	16 Channel Programmable	Programmable to 1/48 inch increments	16 Channel Programmable	16 Channel Programmable
	Graphics	Full page at 300 DPI	180 × 180 DPI	1/2 page at 75 DPI Full page at 150 DPI on LJ Plus	300 × 300 DPI	No
	Ribbon/Toner Part Number	92282A Toner	92180A Toner 92180D Drum Kit	92295A Toner	92185A Toner	92180A Toner 92180D Drum Kit

* Printer hourly volumes are estimates based on pages per minute/30 lines × 80%.

† Requires availability and installation of appropriate character set. Readers vary, so test these applications thoroughly before finalizing sale.

‡ Refer to Modem Application Note 415-1 for HP 3000 (Part Number 5954-0789) for assistance; HP SUPPORT OVER MODEMS WITH MTS SOFTWARE OR 2334A.

Asian Hard Copy Operation

Asian Printers

FEATURES		41063A*	41063B*
Print Speed (characters/second)	Latin (1-byte)	60 (Near Letter Quality) 120 (Draft)	60 (Near Letter Quality) 120 (Draft)
	Asian (2-byte)	40 (Near Letter Quality) 80 (Draft)	40 (Near Letter Quality) 80 (Draft)
Impact, Thermal or Laser		Impact	Impact
Single Sheet or Fanfold		Single Sheet or Fanfold	Single Sheet or Fanfold
Paper Width		4" ~ 16"	4" ~ 16"
Dot Matrix	Latin (1-byte)	23 × 29 (Near Letter Quality) 23 × 9 (Draft)	23 × 29 (Near Letter Quality) 23 × 9 (Draft)
	Asian (2-byte)	24 × 24	24 × 24
Interface Available		HP-IB (Std) RS-232-C (Opt)	Centronics (Std) RS-232-C (Opt)
Print Pitch (characters/inch)	Latin (1-byte)	5, 6, 8.5, 10, 12, 17.1, 20, proportional	5, 6, 8.5, 10, 12, 17.1, 20, proportional
	Asian (2-byte)	2.5, 3.33, 5, 6.67	3.33, 6.67, 13.8
Graphics Density (dots/inch)		90 × 90 or 180 × 180	60, 80, 90, 120, 180, 240, 360
Character Sets	Latin (1-byte)	Roman-8, Kana-8, IBM-8, Line Draw	Roman-8, Kana-8, IBM-8, Line Draw
	Asian (2-byte)	Japanese, Simplified Chinese, Traditional Chinese (Opt)	Japanese, Simplified Chinese, Traditional Chinese (Opt)
Others		OEMed from Epson PCL (Printer Command Language) supported	OEMed from Epson ESC/P (Epson Standard Code for Printer) supported
*For Asian Countries Only			

FEATURES		PaintJet (3630A)		
Supporting Division		SDD		
Dot Matrix/Full Font		30 × 18		
Impact or Thermal		Ink Jet		
Single Sheet Paper, Roll, or Fanfold Paper		Single sheet paper & transparency film. Fanfold paper		
I N T E R F A C E A V A I L A B L E	RS-232-C	Opt. 001		
	HP-IB	Opt. 002		
	8-Bit Parallel			
	Data Link/ MTS	—		
	Centronics Parallel			
Print Speed(s)		167 at 10 CPI 30-40 seconds for a typical page of text 4 minutes for a full page of color graphics 8 minutes or less for a color transparency		
Paper Width		8.5 finished size		
Pitches		10 CPI 12 CPI 18 CPI		
Raster/Graphics Dump		90 × 90 DPI 180 × 180 DPI		
Multi- lingual		12 sets standard		
Line Drawing Character Set		—		
Math Character Set		—		
Other		Near Letter Quality		
Colors		7 colors (text and 180 DPI) Cyan, yellow, magenta, red, green, blue, black Thousands of color shades (software dependent)		

FEATURES	HP ColorPro (7440A)	7475A	7550A
Media Sizes ISO/ANSI	A4/A	A4/A or A3/B	A4/A or A3/B
Number of Pens	8 in carousel	6 in carousel	8 in carousel
Pen/Media Combinations	Fiber-tip/paper Transparency/transparency film & glossy paper	Fiber-tip/paper Transparency/transparency film & glossy paper Refillable short-body drafting pens/double-matte polyester film	Fiber-tip/paper Transparency/transparency film & glossy paper Roller-ball/plotter paper Refillable drafting/vellum & double-matte polyester film Disposable drafting/vellum, plotter paper
Media Load Methods	Manual sheet loading for all media types	Manual sheet loading for all media types	Automatic feed for paper and transparencies Manual sheet loading for all media types
Interface Availability	RS-232-C (Opt 001) or HP-IB (Opt 002)	RS-232-C (Opt 001) or HP-IB (Opt 002)	RS-232-C and HP-IB
Speed & Acceleration	40.0 cm/s (15.7 ips) 1.2 g	38.1 cm/s (15.0 ips) 2 g	80 cm/s (31.5 ips) 6 g
Addressable Resolution	0.025 mm (0.001 in.)	0.025 mm (0.001 in.)	0.025 mm (0.001 in.)
Mechanical Resolution	0.025 mm (0.001 in.)	0.025 mm (0.001 in.)	0.006 mm (0.00025 in.)
Repeatability	0.1 mm (0.004 in.)	0.1 mm (0.004 in.)	0.1 mm (0.004 in.)
HP-GL Commands	44	56	85
Character Sets	5, 1 font	19, 1 font	20, 2 fonts
Special Features	Optional 17440A cartridge has 14 more HP-GL commands including area fill & 14 more character sets	Area fill commands Chart rotate ability	12.8 K buffer Replot capability Downloadable character sets Area fill commands

Color Film Recorders

FEATURES	7510A	
Interface	HP-IB and RS-232-C	
Addressable Resolution	16,344 × 10,896 addressable points per frame	
Instruction Set	HP-GL	
Internal Intelligence	Over 16 million colors, color palettes, polygon fill, automatic film advance, film compensation curves, counter, camera module sensing, etc.	
	<p>35-mm Slide Film Supported: Kodachrome 25 and 64, Ektachrome 100, 200, and 400 Polychrome 40, Fujichrome 100 and 400, Agfachrome 100 and 200 3M CRT 100</p> <p>35-mm Print Film Supported: Kodacolor 100, Fujicolor 100, and Agfacolor 100</p> <p>Polaroid Print Film Supported: Polacolor 331 and 339</p>	

FEATURES	HP DraftPro (7570A)	7580B*	7585B*	7586B*
Media Sizes ISO/ANSI	A2/C A1/D Architectural C and D	A4/A thru A1/D Architectural B to D	A4/A thru A0/E Architectural B to E	Sheets: A4/A thru A0/E Rolls: A1/D, A0/E Architectural B to E
Number of Pens	8 in carousel	8 in carousel	8 in carousel	8 in carousel
Pen/Media Combinations	Fiber-tip/paper Refillable drafting/ vellum & double-matte polyester film Disposable drafting/vellum, paper, double-matte polyester film	Fiber-tip/paper Roller-ball/paper & tracing bond Refillable drafting/vellum & double-matte polyester film Disposable drafting/vellum, paper, double-matte polyester film	Fiber-tip/paper Roller-ball/paper & tracing bond Refillable drafting/vellum & double-matte polyester film Disposable drafting/vellum, paper, double-matte polyester film	Fiber-tip/paper Roller-ball/paper & tracing bond Refillable drafting/vellum & double-matte polyester film Disposable drafting/vellum, paper, double-matte polyester film
Media Load Methods	Manual sheet loading for all media types	Manual sheet loading for all media types	Manual sheet loading for all media types	Automatic roll feed for paper, vellum, and double-matte polyester film Manual sheet loading for all medias
Interface Availability	RS-232-C (HP-IB available as an accessory)	RS-232-C and HP-IB	RS-232-C and HP-IB	RS-232-C and HP-IB
Speed & Acceleration	40.0 cm/s (15.7 ips) 2 g	60 cm/s (24.0 ips) 4 g	60 cm/s (24.0 ips) 4 g	60 cm/s (24.0 ips) 4 g
Addressable Resolution	0.025 mm (0.001 in.)	0.025 mm (0.001 in.)	0.025 mm (0.001 in.)	0.025 mm (0.001 in.)
Mechanical Resolution	0.013 mm (0.0005 in.)	0.003 mm (0.00012 in.)	0.003 mm (0.00012 in.)	0.003 mm (0.00012 in.)
Repeatability	0.1 mm (0.004 in.)	0.1 mm (0.004 in.)	0.1 mm (0.004 in.)	0.1 mm (0.004 in.)
HP-GL Commands	67	77	77	82
Character Sets	21, 1 font	21, 3 fonts	21, 3 fonts	21, 3 fonts
Special Features	7.4 K buffer Pen sorting Optional HP-IB card: P/N 17570A HP-IB card with Area fill commands Kanji: P/N 17571A	Specified accuracy 18 K buffer Downloadable character sets Area fill commands	Specified accuracy 18 K buffer Downloadable character sets Area fill commands	Same as 7580/85 plus long-axis plotting, unattended operation, and built- in accuracy calibration Area fill commands

*758X series was discontinued 10-1-87.

FEATURES	HP DraftMaster I (7595A)	HP DraftMaster II (7596A)	
Media Sizes ISO/ANSI	A4/A thru A0/E Architectural B to E	Sheets: A4/A thru A0/E Architectural B to E Rolls: A1/D, A0/E	
Number of Pens	8 in carousel	8 in carousel	
Pen/Media Combinations	Fiber-tip/paper Roller-ball/paper & tracing bond Transparency pens/ overhead transparency film & glossy paper Refillable drafting/ vellum, paper, double-matte polyester film Disposable drafting/ vellum, paper, double-matte polyester film	Fiber-tip/paper Roller-ball/paper & tracing bond Transparency pens/ overhead transparency film & glossy paper Refillable drafting/ vellum, paper, double-matte polyester film Disposable drafting/ vellum, paper, double-matte polyester film	
Media Load Methods	Manual sheet loading for all media types	Automatic roll feed for paper, vellum, and double-matte polyester film Manual sheet loading for all media types	
Interface Availability	RS-232-C, HP-IB, and RS-422-A	RS-232-C HP-IB, and RS-422-A	
Speed & Acceleration	60.0 cm/s (24.0 ips) 5.7 g on diagonal 4 g on each axis	60.0 cm/s (24.0 ips) 5.7 g on diagonal 4 g on each axis	
Addressable Resolution	0.025 mm (0.001 in.)	0.025 mm (0.001 in.)	
Mechanical Resolution	0.006 mm (0.00025 in.)	0.006 mm (0.00025 in.)	
Repeatability	0.1 mm (0.004 in.)	0.1 mm (0.004 in.)	
HP-GL Commands	85	90	
Character Sets	21, 3 fonts	21, 3 fonts	
Special Features	25 K buffer Pen sorting Downloadable character sets Area fill commands 19200 baud rate Optional Kanji card— P/N 07595-60104 Front-panel display in six languages	25 K buffer Pen sorting Downloadable character sets Area fill commands 19200 baud rate Optional Kanji card— P/N 07595-60104 Front-panel display in six languages Built-in media cutter	

FEATURES	700/92	700/94	2392A	2393A/2397A	2394A
Size	14"	14"	12"	12"	12"
Columns	80, 132	80, 132	80	80-160 Scrollable	80
Lines	24 25,26 Labels 27th Status	24 25,26 Labels 27th Status	24 25,26 Labels 27th Status	24 25,26 Labels 27th Status	24 25,26 Labels 27th Status
Character Cell	9 × 14 6 × 14	(80-col) (132-col)	9 × 14	8 × 14	9 × 14
Video Attributes*	U,I,B,HB,S	U,I,B,HB,S	U,I,B,HB,S	U,I,B,HB,S Dble H/W	U,I,B,HB,S
Field Attributes†	P,UP	P,UP,T-O,MDT	P,UP	P,UP,T-O,MDT	P,UP,T-O,MDT
Front Panel Controls	Power, Brightness, and Contrast	Power, Brightness, and Contrast	Power and Brightness	Power, Brightness, and Contrast	Power and Brightness
Tilt and Swirl	Built-in	Built-in	Built-in	Built-in	Built-in
Local Edit Checks	None	11	None	3	11
Forms Cache	No	Yes	No	No	Yes
Phosphor	Green Amber Soft White	Green Amber Soft White	Green	2393A - Green 2397A - Color	Green
Graphics Resolution	—	—	—	512H × 390V and 640H × 400V	—
Memory	Up to 8 Std	Up to 16 Std	Up to 4 Std Up to 8 Opt	Up to 12 Std	Up to 8 Std
Character Sets	Line Drawing User-defined	Line Drawing User-defined	Line Drawing	Line Drawing Math, Bold, Italic	Line Drawing

P E R F O R M A N C E

*U = Underline, I = Inverse Video, B = Blinking, HB = Half Bright, S = Security, DBLE H/W = Double High/Double Wide.
 †P = Protected, UP = Unprotected, T-O = Transit Only, MDT = Modified Data Tag

FEATURES		700/92	700/94	2392A	2393A/2397A	2394A
KEYBOARD	HP HIL Interface	No	No	No	Yes	No
	Numeric Pad	Yes	Yes	Yes	Yes	Yes
	Editing Keys*	IC,DC,IL,DL	IC,DC,IL,DL	IC,DC,IL,DL	IC,DC,IL,DL	IC,DC,IL,DL
	Cursor Keys	Yes	Yes	Yes	Yes	Yes
	Function Keys	16 Total 8 User-Definable	16 Total 8 User-Definable	8 Total 8 User-Definable	20 Total 12 User-Definable	16 Total 8 User-Definable
	Scrolling	Jump and Smooth	Jump and Smooth	Jump and Smooth	Jump and Smooth	Jump and Smooth
DATA COMM	Mode	Char, Line, Block	Char, Line, Block	Char, Line, Block	Char, Line, Block	Char, Line, Block
	Speed	75-38,400	75-38,400	110-19,200	110-19,200	110-19,200
	Interface	RS-232-C/RS-422-A	RS-232-C/RS-422-A	RS-232-C/RS-422-A	RS-232-C/RS-422-A	RS-232-C/RS-422-A
	X.25 Pad Support	Yes	Yes	Yes	Yes	Yes
OTHER	ANSI	No-Cost Option	No-Cost Option	No-Cost Option	No-Cost Option	No-Cost Option
	TEK	—	—	—	4010/4014	—

*IC = Insert Char, DC = Delete Char, IL = Insert Line, DL = Delete Line

Roseville Terminals Division

Terminals

FEATURES		700/92	700/94	2392A	2393A/2397A	2394A
C A P A B I L I T I E S O U T P U T	RS-232-C	Yes	Yes	Opt	Opt	Opt
	HP-IB	No	No	No	Opt	No
	Centronics	No	No	Opt	Opt	Opt
	Internal Printer	No	No	No	No	No
C A P A B I L I T I E S I N P U T	Tablet	No	No	No	Yes	No
	Touchscreen	No	No	No	Yes	No
	Mouse	No	No	No	Yes	No
	Barcode	No	No	Yes	Yes	Yes

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