

HP 9000 Series 300 Support Matrix*

Series _____

300

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This document summarizes the compatibility of the optional products available for the Series 300. For detailed support information, consult the **HP 9000 Workstation Configuration Guide (HP pub. no. 5952-8594)** and **Installing Peripherals (HP part no. 97005-90002)**.

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* Information subject to change without notice.
 † "Yes" for CPU board (332) or internal video/console interface (340, 345, V/360) only.

SPUs Covered by this Document
 The phrase "all SPUs" denotes Models 310, 318, 319, 320, 330, 332, R/332, 340, 345, 350, 360, 362, R/362, V/360, 370, 375, 380, 382 and R/382. The 300-based HP 6954A is not included. A separate matrix exists for PC300s.

SPU Model	Stand-Alone	HP-UX Support		
		Client	Diskless...	Server
310	5.0-6.5	6.0-6.5		Unsup.
318	5.2+	6.0+		Unsup.
319	5.5+	6.0+		6.2+
320	5.0+	6.0+		Unsup.
330	5.2+	6.0+		6.2+
332	6.5+	6.5+		Unsup.
R/332	6.5+	6.5+		Unsup.
340	6.2+	6.2+		6.2+
345	7.0+	7.0+		7.0+
350	5.2+	6.0+		6.0+
360	6.2+	6.2+		6.2+
V/360	7.0+	7.0+		7.0+
362	Unsup.	Unsup.		Unsup.
R/362	Unsup.	Unsup.		Unsup.
370	6.2+	6.2+		6.2+
375	7.0+	7.0+		7.0+
380	7.05+	7.05+		7.05+
382	8.0+	8.0+		8.0+
R/382	8.0+	8.0+		8.0+

SPU Host Types
 Many entries in this document refer to "all DIO-I", "all DIO-System" and/or "all DIO-II" hosts. The following table correlates those designations to specific SPU Models. Not all slots listed as "Yes" are standard on all Models. Some slot capabilities may be optional at extra cost.

SPU Model	Slot Types Supported			
	-I	DIO-System	-II	VME
310	Yes	Yes	No	98646A
318†	No	No	No	None
319†	No	No	No	None
320†	Yes	Yes	No	98646A
330	Yes	Yes	Yes	98577A, 98646A
332	Yes	Yes	No	98646A
R/332	Yes	No†	No	98646A
340	Yes	No†	No†	98646A
345	No	No†	No†	None
350	Yes	Yes	Yes	98577A, 98646A
360	Yes	Yes	Yes	98577A, 98646A
V/360	No	No†	No†	E1400B (VXI)
362	Yes	Yes	Yes	98646A
R/362	Yes	No	No	98646A
370	Yes	Yes	Yes	98577A, 98646A
375	Yes	Yes	Yes	98577A, 98646A
380	Yes	Yes	Yes	98577A, 98646A
382	Yes	Yes	Yes	98646A
R/382	Yes	No	No	98646A

Support Status

To be supported, a device must be *qualified* on the computer model being considered *and* have *software support* on the operating system being considered.

This means the device must appear in the appropriate column under "Hardware Support" and "Earliest Operating System Version". For software support, the tables show the earliest system version available for the Series 300. Earlier systems may support the device on a Series 200 system. All later versions of the system also support the device.

The status of configurations "planned" and "under investigation" may change within 30 days. Contact your HP Sales Representative for current peripheral support information. Users may send comments and corrections to:

HPDESK: MATRIX (HPFCRM) /HP4000/UX,
Internet: matrix/hpfcrmj@relay.hp.com,
UUCP: hpfcse!matrix.

This document is available to HP internal users as a PCL data object; directory ftp/misc/Matrix on system hpfcse. System hpfcse is not an open subnet host. Customer access via anonymous ftp is under investigation.

Compatibility and Regulatory Information

An entry of "Supported" under "Hardware Support" means that the peripheral complies with at least FCC Class A and at least VDE/FTZ Level A in a system configuration. These classifications refer to the electromagnetic interference (EMI/RFI) properties of the system. It also means that a diagnostic or exerciser program exists for that mainframe and HP offers on-site service of the system.

"Planned" means that testing was in progress at time of publication and that HP plans to support the configuration indicated by that entry. Contact your HP Sales Representative for current information. "Under Investigation" and "Inv." represent a configuration that HP would like to support, but outstanding qualification or technical issues must first be resolved.

"Unsupported" and "Uns." indicate that the device is untested and no testing is planned. They are, however, not known to not work. These devices should not be purchased for use with the mainframe/operating system under which the "Unsupported" appears. Many of these devices are Series 200 accessories and peripherals. Although Series 300 software is essentially identical to Series 200 software, not all peripherals supported by the Series 200 have been qualified on the Series 300. This means it is possible for a device to be

supported by the *software* but not by the *hardware*.

"Does not function" and "No." indicate that the device is not supported by the mainframe or operating system shown in that column *and does not work*. "Does not function" in a hardware column indicates that the device has no interface or cable. "Does not function" in a software column indicates that the device either has no supporting software or cannot perform all functions required for support.

"NA" indicates "not applicable". "____" (underscores) indicate that information was not available at time of publication.

An "ID" in the boot ROM column means that the device (typically an interface or accessory card) is merely identified by the boot ROM and is not used as a system load device. A *number* (such as 5.0) in a software support column indicates the earliest version of the operating system for which device-supporting software exists and in which the peripheral has been tested. "NOP" in the boot ROM column indicates that the device is ignored by the boot ROM.

A vertical bar in the margin indicates changes and additions since the edition of
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Series 300 Disk Compatibility

This table includes disk and disk/tape drives. The "Min. Boot ROM" column shows the earliest ROM capable of loading an operating system from the device.

Product	Description	Type	Min. Boot ROM	Hardware Support	Earliest Software Support				HP-UX	PAWS
					HP BASIC /WS	/UX	HP-UX/98286	SoftPC®/DOS		
A-200EF	200 Mb HDA & -SFLP	VSCSI	Uns.	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
A-660E	660 Mb external	VSCSI	Uns.	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
A-697	External cluster	VSCSI	Uns.	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
AADDSFLP	5¼-in. ext. flex.	VSCSI	No	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
A1440A	200 Mb s400 internal	VSCSI	-	< use A2258A or 98433D >						
A1442,3,4	330/660 Mb s400 internal	VSCSI	NA	< use C2212/13A >						
A1448A	CD-ROM, s400 internal	VSCSI	NA	< use C2212/13A or A2253A >						
A1999A	CD-ROM, external	VSCSI	Rev. C	All Models except 310, 318 and 320.	Unsup.	via HP-UX	via HP-UX	via HP-UX	7.0 ⁷	No
A2071A	210 Mb hard, s400 internal	VSCSI	-	< use A2258A or 98433D >						
A2073A	3½-in. flex., s400 internal	VSCSI	NA	< use A2252A or 9122C >						
A2074A	CD-ROM, s400 internal	VSCSI	NA	< use C2212/13A or A2253A >						
A2075A	420 Mb hard, s400 internal	VSCSI	-	< use A2259A >						
A2252A	3½-in. flex., internal	VSCSI	Rev. 3.0	Models 362, R/362, 382, R/382 only	6.2	6.2	via HP-UX	via HP-UX	8.0	Planned
A2253A	CD-ROM, internal	VSCSI	Rev. 3.0	Models 362, R/362, 382, R/382 only	Unsup.	via HP-UX	via HP-UX	via HP-UX	8.0	Unsup.
A2257A	52 Mb hard, internal	VSCSI	Rev. 3.0	Models 362, R/362, 382, R/382 only	6.2	6.2	via HP-UX	via HP-UX	8.0	Planned
A2258A	210 Mb hard, internal	VSCSI	Rev. 3.0	Models 362, R/362, 382, R/382 only	6.2	6.2	via HP-UX	via HP-UX	8.0	Planned
A2259A	420 Mb hard, internal	VSCSI	Rev. 3.0	Models 362, R/362, 382, R/382 only	6.2	6.2	via HP-UX	via HP-UX	8.0	Planned
C1700A	6300 20GB/A Optical	VSCSI	Uns.	All Models except 310, 318 and 320.	No	via HP-UX	via HP-UX	via HP-UX	7.0	No
C1701A	6300 650/A Optical	VSCSI	Rev. C	All Models except 310, 318 and 320.	6.0	via HP-UX	via HP-UX	via HP-UX	6.5	3.23
C1703A	6300 10GB/A Optical	VSCSI	Uns.	All Models except 310, 318 and 320.	No	via HP-UX	via HP-UX	via HP-UX	8.0	No
C1704A	6300 60GB/A Optical	VSCSI	Uns.	All Models except 310, 318 and 320.	No	via HP-UX	via HP-UX	via HP-UX	8.0	No
C1705A	6300 100GB/A Optical	VSCSI	Uns.	All Models except 310, 318 and 320.	No	via HP-UX	via HP-UX	via HP-UX	8.0	No
C1707A	6100 600/A CD-ROM	HP-1B	Rev. C	Supported on all Models	Unsup.	via HP-UX	Inves.	2.0	7.0	Uns.
C2200A	6000 335H 335 Mbyte disk	HP-1B	Rev. C	Supported on all Models	6.0	via HP-UX	2.0	1.3	7.0	3.23
C2201A	6000 670FL 670 Mbyte disk	HP-FL	NA	No FL interface on 300	NA	NA	NA	NA	NA	NA
C2202A	6000 670XP (670H w/cache)	HP-1B	Uns.	Unsupported on all Models	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
C2203A	6000 670H 670 Mbyte disk	HP-1B	Rev. C	Supported on all Models	6.0	via HP-UX	2.0	1.3	7.0	3.23
C2204A	6000 1.34FL 1.34 Gbyte disk	HP-FL	NA	No FL interface on 300	NA	NA	NA	NA	NA	NA

† Single-ended ‡ Differential

* This symbol is used throughout this document to denote discontinued products listed for reference. Discontinued* devices may still be available as used, refurbished or remanufactured products from HP's Finance and Remarketing Division. Add an "R" to the product number, e.g. 79355HR.

Series 300 Disk Compatibility, continued...

Product	Description	Type	Min. Boot ROM	Hardware Support	Earliest Software Support					
					HP BASIC /WS	HP BASIC /UX	HP-UX/98286	HP-UX/DOS SoftPC®	HP-UX	PAWS
C2212A C2213A	6000 330/S 330 Mb disk 6000 660/S 660 Mb disk	VSCSI VSCSI	Rev.C Rev.C	All Models except 310, 318 and 320. All Models except 310, 318 and 320.	6.0 6.0	via HP-UX via HP-UX	via HP-UX via HP-UX	via HP-UX via HP-UX	7.0 ⁷ 7.0 ⁷	3.23 3.23
Opt.001/021 Opt.002/022 Opt.003 Opt.004/024 Opt.005	< see C2290A > < see C2291A > < see C2292A in Tapes section > < see C2293A > < see C2294A >									
C2212D C2213D	6000 330/D 330 Mb disk 6000 660/D 660 Mb disk	VSCSI VSCSI	Uns. Uns.	Unsupported Unsupported	Uns. Uns.	Uns. Uns.	Uns. Uns.	Uns. Uns.	Uns. Uns.	Uns. Uns.
C2214B C2216T C2217T	Series 600 Single-Ended Model 1350S (1.3 Gbyte hard) Model 670SE (670 Mbyte tower) Model 1350SE (1.3 Gbyte tower)	/SCSI /SCSI /SCSI	Rev.C Rev.C Rev.C	All Models except 310, 318 and 320 All Models except 310, 318 and 320 All Models except 310, 318 and 320	6.0 6.0 6.0	via HP-UX via HP-UX via HP-UX	via HP-UX via HP-UX via HP-UX	via HP-UX via HP-UX via HP-UX	8.0 8.0 8.0	— — —
C2269A	Network Mass Storage System	VSCSI	—	Unsup. (use C2216/17T)	—	—	—	—	—	—
C2290A C2291A C2293A C2294A C2295B	330 Mbyte hard disk upgrade 660 Mbyte hard disk upgrade CD-ROM upgrade Re-Writeable Optical disk upgrade 1.3 Gbyte hard disk upgrade	VSCSI VSCSI VSCSI VSCSI VSCSI	Rev.C Rev.C Rev.C Rev.C Rev.C	All Models except 310, 318 and 320. All Models except 310, 318 and 320. All Models except 310, 318 and 320. All Models except 310, 318 and 320. All Models except 310, 318 and 320.	6.0 6.0 Unsup. 6.0 —	via HP-UX via HP-UX via HP-UX via HP-UX via HP-UX	via HP-UX via HP-UX via HP-UX via HP-UX via HP-UX	via HP-UX via HP-UX via HP-UX via HP-UX via HP-UX	7.0 ⁷ 7.0 ⁷ 7.0 ⁷ 7.0 8.0	3.23 3.23 Uns. 3.23 —
C2273T C2274T C2293T C2294T	C2216/17T Add-ons 670 Mbyte add-on/upgrade 1.3 Gbyte add-on/upgrade CD-ROM add-on/upgrade MO add-on/upgrade	/SCSI /SCSI VSCSI VSCSI	Rev.C Rev.C Rev.C Rev.C	All Models except 310, 318 and 320 All Models except 310, 318 and 320 All Models except 310, 318 and 320. All Models except 310, 318 and 320.	— — Unsup. —	via HP-UX via HP-UX via HP-UX via HP-UX	via HP-UX via HP-UX via HP-UX via HP-UX	via HP-UX via HP-UX via HP-UX via HP-UX	8.0 8.0 8.0 8.0	— — Uns. —
C2481A C2482A	Mass Storage System Mass Storage System	δSCSI δSCSI	N.A. N.A.	No δSCSI interface on s300 No δSCSI interface on s300						
7905 ^v /06 ^e 7905 ^v /06 ^e	15/20 Mbyte MAC disks 15/20 Mb ICD, 16-bit MAC	HP-IB HP-IB	Uns. NOP	Unsupported on all Models. Do not function on Series 300	No No	Uns. No	Uns. No	Uns. No	Uns. No	No No
7907A ^e	20.5/20.5 Mbyte CS/80 ctg. disk.	HP-IB	Rev.A	All except 362,R/362,380,382,R/382	4.0	5.5	via HP-UX	via HP-UX	5.0 ²	3.1
7908P ^e	16.5 Mbyte CS/80 disk/ctg. tape, with or w/o Opt. 140	HP-IB	Rev.A	Models 310, 318, 319, 320, 330, 350, 260, 370 only.	4.0	5.5	via HP-UX	via HP-UX	5.0 ²	3.1
7911 ^v P/R Option 001 Option 140	28.1 Mbyte CS/80 disk/ctg. tape separate ctg. tape controller delete cartridge tape drive	HP-IB	Rev.A Rev.A Rev.A	Models 310, 318, 319, 320, 330, 350, 360, 370, 380 only. As above As above	4.0 4.0 4.0	5.5 5.5 5.5	via HP-UX via HP-UX via HP-UX	via HP-UX via HP-UX via HP-UX	5.0 ² 5.0 5.0	3.1 3.1 3.1

Series 300 Disk Compatibility, continued...

Product	Description	Type	Min. Boot ROM	Hardware Support	Earliest Software Support					
					HP BASIC /WS /UX	HP-UX 98286	SoftPC®	HP-UX	PAWS	
7912P/R Option 001 Option 140	65.6 Mbyte CS/80 disk/ctg. tape separate ctg. tape controller delete cartridge tape drive	HP-1B - -	Rev.A Rev.A Rev.A	All except 362, R/362,380,382, R/382. As above As above	4.0 4.0 4.0	5.5 5.5 5.5	via HP-UX via HP-UX via HP-UX	via HP-UX via HP-UX via HP-UX	5.0 5.0 5.0	3.1 3.1 3.1
7914CT Option 140	7914R,9144A in 9221 1R cabinet delete cartridge tape drive	HP-1B -	Rev.A Rev.A	All except 362, R/362,380,382, R/382. As above	4.0 4.0	5.5 5.5	via HP-UX via HP-UX	via HP-UX via HP-UX	5.0 5.0	3.1 3.1
7914P/R Option 001 Option 140	132 Mbyte CS/80 disk/ctg. tape separate ctg. tape controller delete cartridge tape drive	HP-1B - -	Rev.A Rev.A Rev.A	All except 362, R/362,380,382, R/382. As above As above	4.0 4.0 4.0	5.5 5.5 5.5	via HP-UX via HP-UX via HP-UX	via HP-UX via HP-UX via HP-UX	5.0 5.0 5.0	3.1 3.1 3.1
7914TD* Option 002 Option 114 Option 240	Disk/tape (7914R#140+7971A) add ctg. tape w/sep. controller add second 7914R#140 disk add ctg. tape (single contrl.) add ctg. tape (single contrl.)	HP-1B - - -	Rev.A ⁴ Rev.A ⁴ Rev.A ⁴ Rev.A ⁴	Unsupported on all Models. Unsupported on all Models. Unsupported on all Models. Unsupported on all Models.	No No No No	5.5 ^{RM} 5.5 5.5 5.5	via HP-UX via HP-UX via HP-UX via HP-UX	via HP-UX via HP-UX via HP-UX via HP-UX	5.0 5.0 5.0 5.0	Uns. No ⁶ Uns. Uns.
7914ST* Option 002 Option 114 Option 240	Disk/tape (7914R#140+7974A) add ctg. tape w/sep. controller add second 7914R#140 disk add ctg. tape (single contrl.) adds 800 cpi NRZI to 7974A	HP-1B - - -	Rev.A ⁴ Rev.A ⁴ Rev.A ⁴ Rev.A ⁴	All except 362, R/362,380,382, R/382. As above As above As above	No No No No	5.5 ^{RM} 5.5 5.5 5.5	via HP-UX via HP-UX via HP-UX via HP-UX	via HP-UX via HP-UX via HP-UX via HP-UX	5.0 5.0 5.0 5.0	Uns. No ⁶ Uns. Uns.
7920*/25* 7920*/25*	50/120 Mbyte MAC disks 50/120 Mb ICD, 16-bit MAC	HP-1B HP-1B	Uns. NOP	Unsupported on all Models Do not function on Series 300	No No	Uns. No	Uns. No	Uns. No	Uns. No	No No
7933H 7935H	404 Mbyte CS/80 fixed disk 404 Mbyte CS/80 removable disk	HP-1B HP-1B	Rev.A Rev.A	Supported on all Models Supported on all Models	5.0 5.0	5.5 5.5	via HP-UX via HP-UX	via HP-UX via HP-UX	5.0 5.0	3.1 3.1
7936FL 7936H 7936XP 7937FL 7937H 7937XP	7936 FL i/f 308 Mbyte CS/80 fixed disk 7936H plus cache 7937 FL i/f 571 Mbyte CS/80 fixed disk 7937H plus cache	HP-FL HP-1B HP-1B HP-FL HP-1B HP-1B	None Rev.A Rev.A None Rev.A Rev.A	No HP-FL interface on Series 300 Supported on all Models Supported on all Models No HP-FL interface on Series 300 Supported on all Models Supported on all Models	NA 4.0 Uns. NA 4.0 Uns.	NA 5.5 Uns. NA 5.5 Uns.	via HP-UX via HP-UX Uns. NA via HP-UX Uns.	via HP-UX via HP-UX Uns. NA via HP-UX Uns.	NA 5.1 Uns. NA 5.1 Uns.	Na 3.1 Uns. NA 3.1 Uns.
7941A* 7942A* 7945A* 7946A*	23.8 Mbyte CS/80 disk 7941A and 9144A packaged disk 55.5 Mbyte CS/80 disk 7945A and 9144A packaged disk	HP-1B HP-1B HP-1B HP-1B	Rev.A Rev.A Rev.A Rev.A	All except 362, R/362,380,382, R/382. All except 362, R/362,380,382, R/382. All except 362, R/362,380,382, R/382. All except 362, R/362,380,382, R/382.	4.0 4.0 4.0 4.0	5.5 5.5 5.5 5.5	via HP-UX via HP-UX via HP-UX via HP-UX	via HP-UX via HP-UX via HP-UX via HP-UX	5.0 ² 5.0 ² 5.0 5.0	3.1 3.1 3.1 3.1
7957A 7957B 7957S	80 Mbyte CS/80 disk 80 Mbyte CS/80 disk 107 Mbyte disk	HP-1B HP-1B VSCSI	Rev.A Rev.A Rev.C	Supported on all Models Supported on all Models Supported on all Models with SCSI	5.0 5.1 6.0	5.5 5.5 5.5	via HP-UX via HP-UX via HP-UX	via HP-UX via HP-UX via HP-UX	5.1 6.0 6.0	3.1 3.1 3.23
7958A 7958B 7958S	131 Mbyte CS/80 disk 152 Mbyte CS/80 disk 161 Mbyte disk	HP-1B HP-1B VSCSI	Rev.A Rev.A Rev.C	Supported on all Models Supported on all Models Supported on all Models with SCSI	5.0 5.1 6.0	5.5 5.5 5.5	via HP-UX via HP-UX via HP-UX	via HP-UX via HP-UX via HP-UX	5.1 6.0 6.0	3.1 3.1 3.23

Series 300 Disk Compatibility, continued...

Product	Description	Type	Min. Boot ROM	Hardware Support	HP BASIC		Earliest Software Support		HP-UX	PAWS
					/WS	/UX	HP-UX/98286	SoftPC®/DOS		
7959B	304 Mbyte CS/80 disk	HP-1B	Rev.A	Supported on all Models	5.1	5.5	via HP-UX	via HP-UX	6.0	3.1
7959S	323 Mbyte disk	VSCSI	Rev.C	Supported on all Models with SCSI	6.0	5.5	via HP-UX	via HP-UX	6.0	3.23
*7962B	152 Mbyte CS/80 disk	HP-1B	Rev.A	Supported on all Models	5.1	5.5	via HP-UX	via HP-UX	6.0	3.1
*7963B	304 Mbyte CS/80 disk	HP-1B	Rev.A	Supported on all Models	5.1	5.5	via HP-UX	via HP-UX	6.0	3.1
*97962B	152 Mbyte add-on disk	-	Rev.A	Supported on all Models	5.1	5.5	via HP-UX	via HP-UX	6.0	3.1
97969B	304 Mbyte add-on disk	-	Rev.A	Supported on all Models	5.1	5.5	via HP-UX	via HP-UX	6.0	3.1
82901*/02*/M/S	270 Kb 5¼-in. flex. disks See Note 11.	HP-1B	Rev.A	Supported on 310 & 320 only. Unsupported on all others.	Uns.	5.5	via HP-UX	via HP-UX	5.0 ⁸	Uns. ^H
9114A*/B	Battery-op 3½-in. flex. disk	HP-1L	None	Does not function on Series 300	No	No	No	No	No	No
9121*D/S	270 Kb AMIGO 3½-in. flex. disk	HP-1B	Rev.A	All except 362,R/362,380,382,R/382.	4.0	5.5	2.0*	Via utils.	5.0 ⁸	3.1 ^H
9122C	1.4 Mb SS/80 3½-in. flex. disk	HP-1B	Rev.A	Supported on all Models	4.0	5.5	2.0*	2.0*	6.0	3.1
9122D*/S*	630 Kb SS/80 3½-in. flex. disk	HP-1B	Rev.A	Supported on all Models	4.0	5.5	2.0*	2.0*	5.0	3.1
9123D*	HP 150-II dedicated 9122D	HP-1B	Uns.	Series 300 cannot power 9123D	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
9125S*	270Kb/IBM 5¼-in. SS/80 flex. disk	HP-1B	Rev.A	All except 362,R/362,380,382,R/382.	4.0 ⁵	5.5	1.0*	Via utils.	5.0 ⁵	3.1 ⁵
9127A*	270Kb/IBM 5¼-in. SS/80 flex. disk	HP-1B	Rev.A	Supported on all Models	4.0 ⁵	5.5	1.0	1.0	5.0 ⁵	3.1 ⁵
9133A*	9134A and 9121S pkg. disk	HP-1B	Rev.A	Supported on 310 & 320 only.	5.0	Uns.	Uns.	Uns.	Uns. ²	Uns. ^H
Option 010	single 4.6 Mb vol. fmt.	-	Rev.A	Supported on 310 & 320 only.	Uns.	Uns.	Uns.	Uns.	Uns. ²	Uns. ^H
9133B*	9134B and 9121S pkg. disk	HP-1B	Rev.A	Supported on 310 & 320 only.	5.0	Uns.	Uns.	Uns.	Uns. ²	Uns. ^H
9133D*	9134D and 9122S pkg. disk	HP-1B	Rev.A	All except 362,R/362,380,382,R/382.	4.0	5.5	2.0*	2.0*	5.0 ²	3.1
9133H*	9134H and 9122S pkg. disk	HP-1B	Rev.A	All except 362,R/362,380,382,R/382.	4.0	5.5	2.0*	2.0*	5.0 ²	3.1
9133L*	9134L and 9122S pkg. disk	HP-1B	Rev.A	All except 362,R/362,380,382,R/382.	4.0	5.5	2.0*	2.0*	5.0 ²	3.1
Option 001	1024 byte sectors	-	Rev.A	As above	4.0	5.5	2.0*	2.0*	5.0 ²	3.1
9133V*	4.6 Mbyte AMIGO winchester	HP-1B	Rev.A	All except 362,R/362,380,382,R/382.	5.0	Uns.	Uns.	Uns.	Uns. ²	3.12 ^H
Option 004	four 1.2 Mb vol. fmt	-	Rev.A	As above	5.0	Uns.	Uns.	Uns.	Uns. ²	Uns. ^H
9133XV*	9134XV and 9121S pkg. disk	HP-1B	Rev.A	All except 362,R/362,380,382,R/382.	5.0	Uns.	Uns.	Uns.	Uns. ²	3.12 ^H
9134A*	4.6 Mbyte AMIGO winch. disk	HP-1B	Rev.A	Supported only on 310 & 320.	5.0	Uns.	Uns.	Uns.	Uns. ²	3.12
Option 010	single 9.7 Mb vol. fmt.	-	Rev.A	Supported only on 310 & 320.	5.0	Uns.	Uns.	Uns.	Uns. ²	3.12
9134B*	9.7 Mbyte AMIGO winch. disk	HP-1B	Rev.A	Supported only on 310 & 320.	5.0	Uns.	Uns.	Uns.	Uns. ²	3.12
9134D*	14.8 Mbyte SS/80 winch. disk	HP-1B	Rev.A	All except 362,R/362,380,382,R/382.	4.0	5.5	via HP-UX	via HP-UX	5.0 ²	3.1
9134H*	19.9 Mbyte SS/80 winch. disk	HP-1B	Rev.A	All except 362,R/362,380,382,R/382.	4.0	5.5	via HP-UX	via HP-UX	5.0 ²	3.1
9134L*	39.9 Mbyte SS/80 winch. disk	HP-1B	Rev.A	All except 362,R/362,380,382,R/382.	4.0	5.5	via HP-UX	via HP-UX	5.0 ²	3.1
Option 001	1024 byte sectors	-	Rev.A	As above	4.0	5.5	via HP-UX	via HP-UX	5.0 ²	3.1
9134XV*	14.5 Mb AMIGO winch. disk	HP-1B	Rev.A	All except 362,R/362,380,382,R/382.	5.0	Uns.	Uns.	Uns.	Uns. ²	3.12 ^H
Option 010	single 9.7 Mb vol. fmt.	-	Rev.A	As above	5.0	Uns.	Uns.	Uns.	Uns. ²	3.12 ^H

Series 300 Disk Compatibility, continued...

Product	Description	Type	Min. Boot ROM	Hardware Support	HP BASIC		Earliest Software Support		HP-UX ²	PAWS ^H
					/WS	/UX	HP-UX/DOSSoftPC® 98286	HP-UX		
9135A ^e	9134A and 82902M pkg. disk	HP-1B	Rev.A	Supported only on 310 & 320. See Note 11.	5.0	Uns.	Uns.	Uns.	Uns. ^H	
9153A ^a	9154A and 9122S pkg. disk	HP-1B	Rev.A	Supported on all Models	4.0	5.5	2.0*	2.0*	5.1 ²	3.1
9153B ^b	9154B and 9122S pkg. disk	HP-1B	Rev.A	Supported on all Models	4.0	5.5	2.0*	2.0*	5.1 ²	3.1
9154A ^a	10 Mbyte SS/80 winch. disk	HP-1B	Rev.A	Supported on all Models	4.0	5.5	2.0*	via HP-UX	5.1 ²	3.1
9154B ^b	20 Mbyte SS/80 winch. disk	HP-1B	Rev.A	Supported on all Models	4.0	5.5	2.0*	via HP-UX	5.1 ²	3.1
9153C	Modular SS/80 disk drive									
Opt. 010	10 Mbyte	HP-1B	Rev.A	Supported on all Models	4.0	5.5	2.0*	2.0*	6.0 ²	3.2
Opt. 011	10 Mbyte, w/o flexible	HP-1B	Rev.A	Supported on all Models	4.0	5.5	via HP-UX	via HP-UX	6.0 ²	3.2
Opt. 020	20 Mbyte	HP-1B	Rev.A	Supported on all Models	4.0	5.5	2.0*	2.0*	6.0 ²	3.2
Opt. 021	20 Mbyte, w/o flexible	HP-1B	Rev.A	Supported on all Models	4.0	5.5	via HP-UX	via HP-UX	6.0 ²	3.2
Opt. 040	40 Mbyte	HP-1B	Rev.A	Supported on all Models	4.0 ¹³	5.5	2.0*	2.0*	6.0 ²	3.2
Opt. 041	40 Mbyte, w/o flexible	HP-1B	Rev.A	Supported on all Models	4.0 ¹³	5.5	via HP-UX	via HP-UX	6.0 ²	3.2
9153M	20 Mbyte add-on disk	9153C	Rev.A	Supported on all Models	4.0 ¹³	5.5	via HP-UX	via HP-UX	6.0 ²	3.2
*9262B	Removeable-mechanism 7962B	HP-1B	Rev.A	Supported on all Models	5.1	5.5	via HP-UX	via HP-UX	6.0	3.1
*9263B	Removeable-mechanism 7963B	HP-1B	Rev.A	Supported on all Models	5.1	5.5	via HP-UX	via HP-UX	6.0	3.1
97902B	152 Mbyte add-on disk	-	Rev.A	Supported on all Models	5.1	5.5	via HP-UX	via HP-UX	6.0	3.1
97903B	304 Mbyte add-on disk	-	Rev.A	Supported on all Models	5.1	5.5	via HP-UX	via HP-UX	6.0	3.1
98433D	Model 345 200 Mb internal	VSCSI	Rev.D	Supported only on Model 345	6.0	via HP-UX	via HP-UX	vis HP-UX	7.0 ⁷	3.23
9885 ^a M/S	512 Kbyte flexible disk	GPIO	Uns.	Unsupported on all Models	Uns.	No	No	No	No	Uns. ^H
9895A ^a	Dual 1.2 Mb AMIGO flex. disk	HP-1B	Rev.A	Models 310, 318, 319, 320, 330, 350, 360, 370 only.	Uns.	Uns.	Uns.	Uns.	Uns.	3.12 ^H
Option 010	single 1.2 Mb master drive	-	Rev.A	As above.	Uns.	Uns.	Uns.	Uns.	Uns.	3.12 ^H
Opt.011,012	slave ^e drives	9895	Rev.A	As above.	Uns.	Uns.	Uns.	Uns.	Uns.	3.12 ^H

- * Discontinued product listed for reference.
- Copy-protected or otherwise media-secured flexible disk applications not supported.
- H Only LIF and WSI 0 file systems are supported by Pascal on AMIGO and GPIO flexible disks. HFS is known to not work.
- 2 These disk drives may not meet the minimum requirement for a "system disk" in HP-UX. They may be used as secondary "mounted volumes" or LIF utility volumes only. Direct installation to an AMIGO disk is not supported.
- 4 The boot ROM supports only the 7914R disk and not the 7970E/7974A mag tape.
- 5 File system support limited to HP directory types.
- 7 A post-7.0 software patch may be required to support this device. The patch will be included on 7.0 DSL systems. Contact the factory if configuring a user-installed HP-UX system.
- 8 The *mediant* command does not support AMIGO disks.
- 9 Only sequential-mode is supported. Operator intervention or user programming required to change tapes.
- 11 Timing sensitivities on these drives cause them to not work the Model 350. They have not been tested on the 318, 319, 332, 340, 345, 360, V/360, 370 or 375.
- 13 HFS not supported on the single-volume configuration until 5.1

Series 300 Magnetic Tape Compatibility

The "Min. Boot ROM" column shows the earliest ROM capable of loading an operating system from the device.

Product	Description	Type	Min. Boot ROM	Hardware Support	HP BASIC /WS	/UX	Earliest Software Support		HP-UX	PAWS
							DOS/HP-UX 98286	SoftPC®		
A-6290	½-inch 9-track 1600/620 bpi	VSCSI	Unsup.	Unsupported	No	Unsup.	Unsup.	Unsup.	Unsup.	No
AADDESTC	½-inch 9-track QIC-24 ctg. drive	VSCSI	Inves.	Under investigation	No	No	Inves.	Inves.	3rd pty.	No
A-EX-	8mm 2.3 Gbyte external	VSCSI	Unsup.	Unsupported	No	Unsup.	Unsup.	Unsup.	Unsup.	No
C1511A	1.3 Gbyte DDS (DAT)	HP-IB	None	All Models except 310.	Unsup.	via HP-UX ^{RW}	Unsup.	Unsup.	7.0 ⁷	Unsup.
C1512A	1.3 Gbyte DDS (DAT)	VSCSI	Inves.	All Models except 310, 318 and 320.	Unsup.	via HP-UX ^{RW}	Unsup.	Unsup.	7.0 ⁷	No
C2212/13A #003	Series 600 enclosure < see C2292A >									
C2292A	1.3 Gbyte DDS (DAT) field upgrade	VSCSI	Inves.	All Models except 310, 318 and 320.	Unsup.	via HP-UX ^{RW}	Unsup.	Unsup.	7.0 ⁷	No
C2296D	½-inch 9-track QIC-24 ctg. drive	VSCSI	Inves.	Under investigation	No	No	Inves.	Inves.	3rd pty.	No
°35401A	536 Mbyte HCD CS/80 autochanger	HP-IB	Rev.A	Supported on all Models	4.0 ⁹	5.5	via HP-UX	via HP-UX	5.1	3.1 ⁹
7970°A.C	7 & 9-tk mag tape drives	16-bit HP-IB	NA	No interface available on Series 300	No	No	No	No	No	No
7970E ³	9-tk mag tape drive	HP-IB	NOP	Unsupported on all Models	No	No	No	No	No	No
7971A ⁶	1600 cpi PE 9-tk tape drive	HP-IB	NOP	Supported on all Models	No	5.5 ^{RW}	via HP-UX	via HP-UX	5.0	No
Option 140	single master	HP-IB	NOP	Unsupported on all Models	No	5.5 ^{RW}	via HP-UX	via HP-UX	5.0	No
7974A ⁶	1600 cpi PE 9-tk tape drive	HP-IB	NOP	All except 362, R/362, 380, 382, R/382.	No	5.5 ^{RW}	via HP-UX	via HP-UX	5.0	No ⁶
Option 800	adds 800 cpi NRZI	HP-IB	NOP	As above	No	5.5 ^{RW}	via HP-UX	via HP-UX	5.0	No ⁶
7978°A/B	6250 cpi GCR 9-tk tape drive	HP-IB	NOP	All except 362, R/362, 380, 382, R/382.	No	5.5 ^{RW}	via HP-UX	via HP-UX	5.0	No ⁶
7979A	1600 cpi PE 9-tk tape drive	HP-IB	NOP	Supported on all Models	No	5.5 ^{RW}	via HP-UX	via HP-UX	6.2	No
7980A	6250 cpi GCR 9-tk tape drive	HP-IB	NOP	Supported on all Models	No	5.5 ^{RW}	via HP-UX	via HP-UX	6.2	No
Option 800	add 800 cpi NRZI	HP-IB	NOP	Supported on all Models	No	5.5 ^{RW}	via HP-UX	via HP-UX	6.2	No
7979S	1600 cpi PE 9-tk tape drive	VSCSI	Inves.	Under investigation	No	Inves.	via HP-UX	via HP-UX	Inves.	No
7980S	6250 cpi GCR 9-tk tape drive	VSCSI	Inves.	Under investigation	No	Inves.	via HP-UX	via HP-UX	Inves.	No
Option 800	add 800 cpi NRZI	HP-IB	NOP	Under investigation	No	Inves.	via HP-UX	via HP-UX	Inves.	No
7980XC	7980A w/data compression	HP-IB	NOP	Supported on all Models	No	5.5 ^{RW}	via HP-UX	via HP-UX	6.2	No
7980SX	7980S w/data compression	VSCSI	Inves.	Under investigation	No	Inves.	via HP-UX	via HP-UX	Inves.	No
Option 800	add 800 cpi NRZI	HP-IB	NOP	Under investigation	No	Inves.	via HP-UX	via HP-UX	Inves.	No
9142A ⁶	¼-in. PCT ctg. tape drive	HP-IB	NA	Does not function on Series 300	No	No	No	No	No	No
9144A	67 Mb ¼-in. HCD CS/80 ctg. tape drive	HP-IB	Rev.A	Supported on all Models	4.0	5.5	via HP-UX	via HP-UX	5.0	3.1
9145A	134 Mb ¼-in. HCD CS/80 ctg. tape drive	HP-IB	Rev.A	Supported on all Models	5.1	5.5	via HP-UX	via HP-UX	6.2	3.2

⁹ Discontinued product listed for reference.

^{RW} Only simple read/write operations are transparently supported to 9-track tape drives. Other tape motion control requires *mt(7) ioctl(2)* calls in a CSUB.

3 HP-IB 7970E tape drives may be converted to the supported 7971A configuration by upgrading the controller electronics to the latest revision and installing the drive in a 26078A cabinet.

6 A 7974 utility program is available (only) as part of the HP-EGS/200 98310A Photo-plotter/NC Drill software.

7 A post-7.0 software patch may be required to support this device. The patch will be included on 7.0 DSL systems. Contact the factory if configuring a user-installed HP-UX system.

9 Only sequential-mode is supported. Operator intervention or user programming required to change tapes.

Series 300 Terminal and Display Compatibility

The "Min. Boot ROM" column refers to the computer's ability to display power-up messages on the display, and control the boot process from the keyboard (if any) of the peripheral.

Product	Description	Type	Min. Boot ROM	Hardware Support	Earliest Software Support				HP-UX PAWS	
					HP BASIC /WS	/UX	HP-UX/98286	SoftPC® /DOS		HP-UX
EV/RX	1024 x 768 x 8, 75Hz i/f	15-pin	Rev.3.0	Model 382 only	6.2	6.2	No	Inves.	8.0	Planned
VGA	640 x 480 x 8, 60Hz i/f	15-pin	Rev.3.0	Models 362,R/362,382,R/382	6.2	6.2	No	8.0	Unsup.	
A1096A	Monochrome VRX interface	DIO-II	Inv.	Under investigation	No	via HP-UX	via HP-UX	via HP-UX	Inv.	No
A1097A/B	Monitor: 19", 1280x1024, 72Hz	RGB	-	No supporting interface.						
A1416A	Color VRX interface	DIO-II	Rev.D	Models 375 and 380 only	Uns.	via HP-UX	via HP-UX	via HP-UX	7.0	Uns.
A1497A/B	Monitor: 16", 1024 x 768, 75Hz	RGB	-	Model 382 (EV/RX-1024) only						
C1001	Model 700/92 alpha terminal	RS232	Rev.A ¹	Supported on all Models	No	5.5 ^A	No	2.0	5.0	No
C1002	Model 700/94 alpha terminal	RS232	Rev.A ¹	Supported on all Models	No	5.5 ^A	No	2.0	6.0	No
*C1003	Model 700/41 alpha terminal	RS232	Uns.	Supported on all Models; not term0	No	Uns.	No	Uns.	6.2 ⁵	No
*C1004	Model 700/22 alpha terminal	RS232	Uns.	Supported on all Models; not term0	No	Uns.	No	Uns.	5.0	No
C1006	Model 700/43 alpha terminal	RS232	Uns.	Supported on all Models; not term0	No	Uns.	No	Uns.	6.2 ⁵	No
C1007	Model 700/44 alpha terminal	RS232	Uns.	Supported on all Models; not term0	No	Uns.	No	1.0	6.2 ⁵	No
C1010C#AB2	Simplified Chinese 700/92A	RS232	Rev.A	Supported only for Asian markets	Uns.	5.5 ^A	No	No	7.0	No
C1010J#ABJ	Japanese 700/92A	RS232	Rev.A	Supported only for Asian markets	Uns.	5.5 ^A	No	No	7.0	No
C1010K#AB1	Korean 700/92	RS232	Rev.A	Supported only for Asian markets	Uns.	5.5 ^A	No	No	7.0	No
C1010T#AB0	Traditional Chinese 700/92A	RS232	Rev.A	Supported only for Asian markets	Uns.	Uns.	No	No	7.0	No
C1017A/G/W	Model 700/32 alpha terminal	RS232	Uns.	Supported on all Models; not term0	No	Uns.	No	Uns.	7.0	No
*C2301A/B	X-terminal base unit	LAN	NA	Supported on all Models with (X-11) X-Window System client capability	No	Inves.	2.0	Unsup.	6.5	No
*C2302A	Monochrome X-terminal, 17"									
*C2303A/B	VGA color X-terminal, 14"									
*C2304A/B	Hi-res color X-terminal, 16"									
*C2305A/B	Gray Scale X-terminal, 19"									
*C2307B	Color X-terminal, Japan, 19"									
C2701A	700/RX RISC X-terminals									
C2702A	Mi base unit, monochrome	LAN	NA	Supported on all Models with (X-11) X-Window System client capability	No	Inves.	2.0	Unsup.	6.5	No
C2702A	17Mi X-station, monochrome									
C2704A	Ci base unit, med-res color									
C2706A	16Ci X-station, color									
C2709A	Ca base unit, hi-res color									
C2711A	19Ca X-station, color									
D1181/82	Monitor: VGA	15-pin	-	Per VGA interface.						
D1187/88	16/20-inch multi-sync monitors	RGB	-	Per VGA interface.						
D1192A/B	Monitor: Monochrome VGA	15-pin	Unsup.	Per VGA interface.						

Series 300 Terminals and Displays, continued...

Product	Description	Type	Min. Boot ROM	Hardware Support	Earliest Software Support						
					HP BASIC /WS	HP BASIC /UX	HP-UX/98286	HP-UX/DOS SoftPC®	HP-UX	PAWS	
Series 200	< As terminal: see 98791B >										
2382A°	Alphanumeric terminal	RS232	Rev.A ¹	Unsupported on all Models	No	Uns.	No	Uns.	5.0	No	
2392A°	Alphanumeric terminal	RS232	Rev.A ¹	Supported on all Models	No	5.5 ^A	No	2.0	5.0	No	
2393A	Graphics terminal	RS232	Rev.A ¹	Supported on all Models	No	5.5	No	1.0	5.0 ²	No	
2394A°	Data entry terminal	RS232	Rev.A ¹	Supported on all Models	No	5.5 ^A	No	2.0	5.0	No	
2397A	Color terminal	RS232	Rev.A ¹	Supported on all Models	No	5.5	No	2.0	5.0 ²	No	
2621°A/B/P	Alphanumeric terminal	RS232	Uns.	Unsupported on all Models	No	Uns.	No	No	Uns.	No	
2622°/23A°	Terminals	RS232	Rev.A ¹	Unsupported on all Models	No	5.5 ^A	No	Uns.	5.0 ⁵	No	
2624B°	Data Entry Station	RS232	Rev.A ¹	Unsupported on all Models	No	Uns.	No	Uns.	Uns.	No	
2625A° ¹	Graphics/IBM3270 terminal	RS232	Rev.A ¹	Unsupported on all Models	No	5.5	No	Uns.	5.0 ²	No	
2626A°	Display Station	RS232	Rev.A ¹	Unsupported on all Models	No	Uns.	No	Uns.	Uns. ³	No	
2627A°	Color graphics terminal	RS232	Rev.A ¹	Unsupported on all Models	No	5.5	No	Uns.	5.0 ²	No	
2628A° ¹	Graphics/HP-WORD terminal	RS232	Rev.A ¹	Unsupported on all Models	No	5.5	No	Uns.	5.0 ²	No	
2635/39°	Printing terminals	RS232	No	Unsupported on all Models	No	Uns.	No	Uns.	Uns.	No	
2640...49°	Terminals	RS232	Uns.	Unsupported on all Models	No	Uns.	No	Uns.	Uns.	No	
2675A°	Printing terminal	RS232	No	Unsupported on all Models	No	Uns.	No	Uns.	Uns.	No	
Series 300	< As terminal: see 98791 >										
3082B	Industrial terminal	RS232	Rev.A ¹	All except 362, R/362,380,382, R/382.	No	Uns.	Uns.	Uns.	7.0	No	
35721A-C°	Monitor: 512 X 390(400), monochrome, 14"	RS170		< see 98204B°, 98542A, 98543A, 98546A >							
35723A	Touchscreen bezel	HP-HIL	NOP	Supported where 35731/41A monitor's are	4.0	5.5	Uns.	Uns.	5.0	3.12	
35731A/B	Monitor: 512 X 400(390), monochrome, 12"	RS170		< see 2393A, 98542A, 98543A, 98546A >							
35741A/B	Monitor: 512 X 400(390), color, 12"	RGB		< see 2397A, 9666A, 98542A, 98543A, 98546A >							
35743A/B	Monitor: EGA	RGB	NA	Does not function on Series 300	NA	NA	NA	NA	NA	NA	
45610°A/B ¹	HP 150 (as 2623A emulator)	RS232	Rev.A ¹	All except 362, R/362,380,382, R/382.	No	5.5	No	Uns.	5.0 ²	No	
45850A° ¹	HP 150-II (as 2623A emulator)	RS232	Rev.A ¹	All except 362, R/362,380,382, R/382.	No	5.5	No	Uns.	5.0 ²	No	
45710A° ¹	HP 110 The Portable	RS232	No	All except 362, R/362,380,382, R/382.	No	Uns.	No	Uns.	5.0	No	
45711A ¹	Portable Plus (as 2622A)	RS232	Note ⁴	All except 362, R/362,380,382, R/382.	No	5.5 ^A	No	Uns.	5.0	No	
724x5A	Vecra PC (as 2622A)	RS232	Note ⁴	Supported on all Models	No	5.5 ^A	No	Uns.	5.0	No	
82912°/13°A	Monitors: 400 X 300, monochrome, 9/12"	RS170		< see 98204A° >							

Series 300 Terminals and Displays, continued...

Product	Description	Type	Min. Boot ROM	Hardware Support	Earliest Software Support					
					HP BASIC /WS /LUX	HP-LUX/88286	HP-LUX/DOS SoftPC®	HP-LUX	PAWS	
9666A ^o	Ruggedized 2397A	RS232	Rev. A ¹	All except 362, R/362, 380, 382, R/382.	No	5.5	No	Uns.	5.0 ²	No
97056A ^o	Series 500 terminal emulator	RS232	Note ⁴	All except 362, R/362, 380, 382, R/382.	No	Uns.	No	Uns.	5.0	No
9807A ^o	Integral PC	RS232	Note ⁴	All except 362, R/362, 380, 382, R/382.	No	Uns.	No	Uns.	5.0	No
98204A ^o	400 x 300 B&W video	DIO-pair	Uns.	Unsupported on all Models	Uns.	Uns.	No	Uns.	Uns.	Uns.
98204B ^o	512 x 390 B&W video	DIO-pair	Rev. A	Supported only on Model 310 and 320	Uns.	Uns.	No	Uns.	Uns.	Uns.
98285A	512-1024 video upgrade	DIO-Sys.	Rev. C1	Supported on Models 332 and R/332 only.	5.13	Inv.	1.0	1.0	6.5	3.22
98287A ^o	98700 ^o A/H CX Graphics i/f	DIO-I/O	Rev. A	Supported on all DIO-I hosts except Models 340, 362, R/362, 375, 380, 382, R/382.	4.0	5.5	No	No	5.0	3.12
98542A	512 x 400, B&W video	DIO-Sys.	Rev. A	Supported on all Models except 318, 319, R/332, 340, 345, R/362, R/382. Built-in on standard Model V/360 Option 542.	4.0	5.5	1.0	No	5.0	3.12
98543A	512 x 400 x 4, color video	DIO-Sys.	Rev. A	Supported on all Models except 318, 319, R/332, 340, 345, R/362, R/382. Built-in on standard Model V/360 Option 543.	4.0	5.5	1.0	No	5.0	3.12
98544A ^o	1024 x 768, B&W video	DIO-Sys.	Rev. A	Supported on all Models except 318, 319, R/332, 340, 345, V/360, 362, R/362, 382, R/382.	4.0	5.5	1.0	1.0	5.0	3.12
98544B	1024 x 768, B&W video	DIO-Sys.	Rev. A	Supported on all Models except 319, 345, 362, R/362, 382, R/382. Built-in-only on Model 318M, 332 Option 544, R/332 Option 544, 340M and V/360 Option 544.	4.0	5.5	1.0	1.0	5.0	3.12
98545A ^o	1024 x 768 x 4, color video	DIO-Sys.	Rev. A	Supported on all Models except 318, 319, R/332, 340, 345, V/360, 362, R/362, 382, R/382.	4.0	5.5	1.0	1.0	5.0	3.12
98546A	512 x 390, compatibility video	DIO-pair	Rev. A	Supported on all Models except 318, 319, 340, 345, V/360, 362, R/362, 382, R/382.	4.0	No	No	1.0	5.0	3.12
98547A	1024 x 768 x 6, color video	DIO-Sys.	Rev. A	Supported on all Models except 318, 319, R/332, 340, 345, V/360, 362, R/362, 382, R/382.	4.0	5.5	1.0	1.0	5.0	3.12
98548A	1280 x 1024 x 1, MH mono. video	DIO-II	Rev. C ¹⁰	Supported on all Models except 310, 318, 319, R/332, V/360, 362, R/362, 382, R/382. Built-in-only on Models 340MH and 345MH.	5.1	5.5 ¹⁵	1.0	1.0	5.5	3.21
98549A	1024 x 768 x 6, C + color video	DIO-II	Rev. C ¹⁰	Supported on all Models except 310, 318, R/332, 362, R/362, 382, R/382. Built-in-only on Models 319C+, 340C+, 345C+ and V/360 Option 549.	5.1	5.5 ¹⁵	1.0	1.0	5.5	3.21
98550A	1280 x 1024 x 8, CH color video	DIO-II	Rev. C ¹⁰	Supported on all Models except 310, 318, 319, R/332, 362, R/362, 382, R/382. Built-in-only on Models 340CH, 345CH and V/360 Option 550.	5.1	5.5 ¹⁵	1.0	1.0	5.5	3.21

Series 300 Terminals and Displays, continued...

Product	Description	Type	Min. Boot ROM ID	Hardware Support	HP BASIC		Earliest Software Support			PAWS
					/WS	/UX	HP-UX/98286	DOS Software [®]	HP-UX	
98700 [°]	"CX" controller	MADBUS	-	< see 98287A >						
98702A\$	Personal VRX LGB DIO-II i/f	DIO-II	Rev. D	Models 360, 370, 375 and 380 only	No	Inves.	via HP-UX	via HP-UX	7.03	No
98705A	Personal VRX P2	LGB	Rev. D	Models 360, 370, 375 and 380 only	No	Inves.	via HP-UX	via HP-UX	7.03	No
98705B	Personal VRX P3	LGB	Rev. D	Models 360, 370, 375 and 380 only	No	Inves.	via HP-UX	via HP-UX	7.03	No
98705C\$	Personal VRX P1	LGB	Rev. D	Models 375 and 380 only	No	Inves.	via HP-UX	via HP-UX	7.03	No
98720A	< SRX Controller: see 98724/25A >	LGB								
98724A [°]	98720A SRX interface	DIO-I/O	Rev. A	Supported on Models 320 and 332 (not R/332) only.	No	5.5	2.0	1.0	5.18	No
98725A	98720A SRX interface	DIO-Sys.	Rev. A	Supported on Models 330, 350, 360, 370, 375 and 380. Built-in-only on Models 319SRX, 340SRX and 345SRX.	No	5.5 ¹⁵	2.0	1.0	5.2	No
98726A	98730A TurboSRX interface	DIO-II	Rev. C	Supported on Models 330, 350, 360, 370, 375 and 380. Built-in-only on Model 345TSRX.	No	5.5 ¹⁵	2.0	1.0	6.2	No
98727A	Turbo VRX pDMA G-Bus i/f	DIO-II	Rev. D	Models 375 and 380 only	No	Inves.	via HP-UX	via HP-UX	7.03	No
98728A	Turbo VRX vDMA G-Bus i/f	DIO-II	Rev. D	Models 375 and 380 only	No	Inves.	via HP-UX	via HP-UX	7.05	No
98730A	< TurboSRX: see 98726A >	LGB								
98735A	Turbo VRX T1 processor	G-Bus	-	< see 98727A >						
98736A	Turbo VRX T2 processor	G-Bus	-	< see 98727/28A >						
98736B	Turbo VRX T3 processor	G-Bus	-	< see 98727/28A >						
98751A [°]	Monitor: 1024 x 768, color, 19"	RGB		< see 98545A [°] /47/49A, 98700 >						
98752A [°]	Monitor: 1280 x 1024, color, 19"	RGB		< see A1416, 98550, 98705, 98720, 98730, 98735/36 >						
98753A	Monitor: 1024 x 768, color, 19"	RGB		< see 98545A [°] /47/49A, 98700 >						
98754A	Monitor: 1280 x 1024, color, 19"	RGB		< see A1416, 98550, 98705, 98720, 98730, 98735/36 >						
98774A	Monitor: 1280 x 1024, mono., 72 Hz, 19-in.	BNC	-	< see A1096A >						
98778A	Monitor: 1024 x 768, mono., 19"	BNC		< see 98544B >						
98779A	Monitor: 1280 x 1024, mono., 19"	BNC		< see 98548A >						

Series 300 Terminals and Displays, continued...

Product	Description	Type	Min. Boot ROM	Hardware Support	Earliest Software Support					
					HP BASIC /WS	HP-UX /UX	HP-UX/DOS SoftPac [®] 98286	HP-UX	PAWS	
98781A [°]	Monitor: 1024 X 768, mono, 17"	9-pin RGB		< see 98544A [°] >						
98782A [°]	Monitor: 1024 X 768, color, 19"	RGB		< see 98700,98545A [°] /47A/49A>						
98784A [°]	Monitor: 1280 X 1024, color, 19"	RGB		< see A1416,98550,98705,98720,98730,98735/36>						
98785A	Monitor: 1024 X 768, color, 16"	RGB		< see 98545A [°] , 98547/49A, 98700>						
98786A	Monitor: 1024 X 768, mono, 17"	BNC		< see 98544B>						
98788A	Monitor: 1280 X 1024, mono, 19"	BNC		< see 98548A>						
98789A	Monitor: 1280 X 1024, color, 16"	RGB		< see A1416,98550,98705,98720,98730,98735/36>						
98791B [°]	Series 200/300 terminal emulator	RS232	Note ⁴	Supported as peripheral on all except 362.R/362.380,382.R/382.	No	5.5 ^A	No	Uns.	5.0	No

° Discontinued product listed for reference.

§ This component product number is listed for reference and is not separately orderable at present.

A Supported only as an ALPHA device.

- 1 Use with the boot ROM requires a 98626A, 98642A, 98644A or built-in RS-232C interface. Boot ROM and system console support requires that the terminal be configured for HP *term1* or *term1* emulation mode (2622A, 2392A, 700/92, supersets or equivalent thereof).
- 2 Graphics use requires 98642A or 98628A interface. HP-UX console use requires 98642A, 98644A or 98626A interface.
- 3 The 2626A is not recommended for use with the vi screen editor due to poor scrolling performance.
- 4 The use of a RAM-based terminal emulator with the boot ROM or as system console is not recommended.
- 5 Supported as a login terminal in Wyse 30 emulation mode. Contact your support representative for a 700/41 and 700/43 *termifo* entry on systems prior to HP-UX 6.2. Not supported as system console. One HP *termfo* device per site must be available for software installation, update and system diagnostics.
- 10 Revision A2 may be used if the card is configured for DIO-I address space; however, the 98556A accelerator requires that the C+ or CH card be configured to a DIO-II address.
- 15 ITE use requires card configured to DIO-I (not DIO-II) address space. Use unrestricted in X-Windows.

Series 300 Human Interface

The "Min. Boot ROM" column shows the earliest ROM capable of using the device as console keyboard.

Product	Description	Type	Min. Boot ROM	Hardware Support	Earliest Software Support					
					HP BASIC /WS	HP BASIC /UX	HP-UX/98286	SoftPC® /DOS	HP-UX	PAWS
A-LPFK A1098A	32-button pad DOMAIN keyboard	Serial Serial	Uns. Uns.	Unsupported Unsupported	Uns. Uns.	Uns. Uns.	Uns. Uns.	Uns. Uns.	Uns. Uns.	Uns. Uns.
A1098A A1099A A2205A	Keyboard/local kits DOMAIN HP-ITF (see 46021A) PC-101 (see C1429A)	Serial	No	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
C1027A#ABA	Keyboard, 700/44 AT2-style (aka C1408A; see 98016A)	MITF5	Rev.C	Supported on all Models	Uns.	Uns.	Uns.	Uns.	6.5	Uns.
C1429A	Keyboard, AT/2-style (see also A2205A)	HP-HIL	—	All Models\$	No	No	No	Inves.	8.0\$	No
K1388	Dial set, 8 knob	Serial	Uns.	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
K1410	Mouse, 3 button	Quad.	NOP	Supported on all Models	4.0	5.5	1.0	1.0	5.1	3.12
K1422°	Spaceball XYZ, 8-button	Serial	Uns.	<see: SPTL-2003>	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
K1424	Tablet Summa <i>Bir Pad Two</i>	Serial	Uns.	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
K1432	Tablet Summa B-size	Serial	Uns.	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
K1434	Trackball, 3-button, Marconi RB2	Quad.	NOP	Under investigation	Uns.	Uns.	Uns.	Uns.	Inv.	Uns.
K1435	Trackball, 3-button, Itac	Quad.	NOP	Under investigation	Uns.	Uns.	Uns.	Uns.	Inv.	Uns.
M1309A	Trackball, 3 button	HP-HIL	NOP	Supported on all Models	4.0	5.5	1.0	1.0	5.2	3.2
SPTL-2003	Spaceball XYZ, 8-button	Serial	Uns.	All except 310,362 and R/362	Uns.	Uns.	Uns.	Uns.	Vendor	Uns.
39800/01A°	Barcode readers	Serial	Uns.	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
46020°A/B	Keyboard, ITF	HP-HIL	Rev.A	All except 362, R/362,380,382,R/382	4.0	5.5	1.0	1.0	5.0	3.1
46021A	Keyboard, ITF	HP-HIL	Rev.A	Supported on all Models	4.0	5.5	1.0	1.0	5.0	3.1
46030A°	Vectra Keyboard	HP-HIL	No	Unsupported.	5.0†	Uns.	No	No	Uns.	No
46060A	Mouse, 2 button	HP-HIL	NOP	Supported on all Models	4.0	5.5	1.0	1.0	5.0	3.1
46060B	Mouse, 3 button	HP-HIL	NOP	Supported on all Models	4.0	5.5	1.0	1.0	5.2	3.2
46080A	2.4m extension	HP-HIL	Rev.A	Supported on all Models	4.0	5.5	1.0	1.0	5.0	3.1
46081A	2.4m audio extension	HP-HIL	Rev.A	Supported on all Models	4.0	5.5	1.0	1.0	5.0	3.1
46082A/B	15/30m RGB extension	HP-HIL	Rev.A	Supported on all Models	4.0	5.5	1.0	1.0	5.0	3.1
46083A	Knob, 1 button	HP-HIL	NOP	Supported on all Models	4.0	5.5	Uns.	Uns.	5.0	3.1
46084A	ID Module	HP-HIL	NOP	Supported on all Models	4.0	5.5	Uns.	Uns.	5.0	3.1
46085A	Dial set, 9 knob	HP-HIL	NOP	Supported on all Models	5.0	5.5	Uns.	Uns.	5.0	No
46086A	32-button pad	HP-HIL	NOP	Supported on all Models	5.0†	5.5	Uns.	Uns.	5.0	No

Series 300 Human Interface, continued...

Product	Description	Type	Min. Boot ROM	Hardware Support	HP BASIC		Earliest Software Support			
					/WS	/UX	HP-UX/DOS 98286	SoftPC®	HP-UX	PAWS
46087	A-size tablet	HP-HIL	NOP	Supported on all Models	4.0	5.5	Uns.	Uns.	5.0	3.1
46090C	A-size tablet	HP-HIL	NOP	Supported on all Models	4.0	5.5	Uns.	Uns.	5.0	3.1
46088	B-size tablet	HP-HIL	NOP	Supported on all Models	4.0	5.5	Uns.	Uns.	5.0	3.1
46091C	B-size tablet	HP-HIL	NOP	Supported on all Models	4.0	5.5	Uns.	Uns.	5.0	3.1
46089A ^e /B	Cursor for 46087/88A	HP-HIL	NOP	Supported on all Models	4.0	5.5	Uns.	Uns.	5.0	3.1
46094A 46095A ^e	Quadrature adaptor Mouse, 3-button mouse < use K1410 >	HP-HIL Quad.	NOP NOP	Supported on all Models Supported on all Models	4.0 4.0	5.5 5.5	1.0 1.0	1.0 1.0	5.1 5.1	3.12 3.12
92911A ^e	HP2620 barcode reader	2620	Uns.	< support via terminal >						
92915A ^e	HP2390/150 barcode reader	MITF12	Uns.	< support via terminal >						
92916A ^e	Barcode reader	HP-HIL	Uns.	Supported on all Models	4.0*	5.5	1.0	via HP-UX	5.0	3.1
92917A	HP 700 barcode reader	MITF5	Uns.	Support via terminal. Untested w/98016A						
98016A ^g	MITF5 keyboard adaptor	HP-HIL	Rev. C	Supported on all Models	Uns.	Uns.	Uns.	Uns.	6.5	Uns.
98203A ^e	Small Keyboard	s200	NA	Does not function on Series 300	NA	NA	NA	NA	NA	NA
98203B ^e	Large Keyboard	s200	NA	Does not function on Series 300	NA	NA	NA	NA	NA	NA
98203C	Large Keyboard	HP-HIL	Rev.A2	Supported on all Models. See Notef for 310 and 320.	4.03	No	No	No	No	3.12

^g "Special", consult factory for availability.

* HP BASIC/WS 4.0 supports only "keycode" mode. BASIC 5.0 or later required for "ASCII" mode.

^h Right [Ctrl] key and CapsLock LED not functional on earlier systems, not in ITE or Windex on any systems.

⁺ 46030A *Vetra* keyboard and 46086A button pad accessible by user-written software as raw HP-HIL devices only, not as normal keyboards.

[†] Requires 1820-4784 or later 18042 keyboard ROM/ processor.

Series 300 Text Printer Compatibility

This table refers only to the simple print-and-space text printing capability of the printer. Refer to the Graphics Device Compatibility table (next) for information on support of vector/raster printing. DOS applications are usually device-dependent. Also, unless they support HP-PCL, they may require that the printer be switch-configured for IBM/Epson emulation.

Legend: cps - characters per second, ipm - lines per minute, ppm - pages per minute

Product	Description	Type	Hardware Support	HP BASIC		Earliest Software Support		HP-UX	PAWS
				/WS	/UX	98286	SoftPC®		
C1200A Std.	Asian System Printer Serial interface	APCL RS232	Supported on all Models Supported on all Models	6.2 6.2	Inv. Inv.	via HP-UX via HP-UX	via HP-UX via HP-UX	6.2 6.2	Inv. Inv.
C1202A Opt.1A4 Opt.1A8 Opt.1A9	Asian Serial Printer Parallel interface IEEE-488 interface Serial interface	APCL Par. HP-1B RS232	Supported on all Models Models 345,[R]/362,375,380,[R]/382 Supported on all Models Supported on all Models	Inv. 6.0 6.0 6.0	6.0 Inv. Inv. Inv.	via HP-UX via HP-UX via HP-UX via HP-UX	via HP-UX via HP-UX via HP-UX via HP-UX	6.2 8.0 6.2 6.2	Inv. Inv. Inv. Inv.
C1602A Opt.1AX Opt.1AX Opt.1A8	Printer-XL B-size color Serial/Parallel interface Serial/Parallel interface IEEE-488 interface	RS232 Par. HP-1B	Supported on all Models Unsupported Supported on all Models	Inves. Uns. 6.0	Inves. Uns. Inves.	Inv. Uns. Inves.	Inv. Uns. Inves.	Inves. Uns. 7.0	Uns. Uns. Uns.
C2106A	DeskJet 500	RS232 Par.	Supported on all Models Models 345,[R]/362,375,380,[R]/382	6.2 6.2	via HP-UX via HP-UX	Inv. Uns.	via HP-UX Uns.	8.0 8.0	Inv. Inv.
HCD-MMP K1626 K1627	Genicom Impact 6ppm PostScript laser 15ppm PostScript laser	RS232 RS232 RS232	Unsupported Unsupported Unsupported	Uns. Uns. Uns.	Uns. Uns. Uns.	Uns. Uns. Uns.	Uns. Uns. Uns.	Uns. Uns. Uns.	Uns. Uns. Uns.
K2132	Tek Phaser P3 laser	RS232	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
LP26-S LP80010	PostScript laser PostScript laser	< any > Par.	Unsupported Unsupported	Uns. Uns.	Uns. Uns.	Uns. Uns.	Uns. Uns.	Uns. Uns.	Uns. Uns.
2225A 2225B 2225C/P 2225D	ThinkJet, IEEE-488 ThinkJet, portable ThinkJet ThinkJet, Serial	HP-1B ⁵ HP-1L Par. RS232	Supported ² on all Models Does not function on Series 300 Unsupported on all Models Supported on all Models	4.0 No 6.2 Uns.	5.5 No Uns. Uns.	1.0 No Uns. Uns.	1.0 No Uns. Uns.	6.2 No Uns. Uns.	3.1 No Uns. Uns.
2227A 2227B 2228A	QuietJet Plus, Serial QuietJet Plus, IEEE-488 QuietJet, Serial	RS232 HP-1B RS232	Supported on all Models Supported on all Models Supported on all Models	5.0 5.0 5.0	5.5 5.5 5.5	1.0 1.0 1.0	1.0 1.0 1.0	5.1 5.1 ⁴ 5.1	Inv. 3.2 Inv.
2235A/C 2235B/D	RuggedWriter RuggedWriter	Par. HP-1B RS232	Unsupported Supported on all Models Supported on all Models	6.2 5.0 Inv.	Uns. 5.5 5.5	Uns. 1.0 1.0	Uns. 1.0 1.0	Uns. 5.2 5.2	Uns. 3.1 Inv.
*2276A *2277A	DeskJet DeskJet Plus	RS232 Par. RS232 Par.	Supported on all Models Unsupported Supported on all Models Unsupported	5.1 6.2 5.1 6.2	5.5 Uns. 5.5 Uns.	1.0 Uns. 1.0 Uns.	via HP-UX Uns. via HP-UX Uns.	6.2 Uns. 6.5 Uns.	3.23 3.23 3.23 3.23

Series 300 Printers, continued...

Product	Description	Type	Hardware Support	HP BASIC		Earliest Software Support			HP-UX	PAWS
				/WS	/UX	HP-UX/98286	DOS SoftPc®	DOS		
2562C	300 lpm dot-matrix imp.	PCL	Supported on all Models	4.0	5.5	via HP-UX	1.0	5.0	3.1	
2563	300 lpm dot-matrix imp.	PCL	Supported on all Models	4.0	5.5	via HP-UX	1.0	5.0	3.1	
2564	600 lpm dot-matrix imp.	PCL	Supported on all Models	Inv.	5.5	via HP-UX	1.0	5.1	Inv.	
2565A*	600 lpm dot-matrix imp.	PCL	Supported on all Models	5.0	5.5	via HP-UX	1.0	5.1	3.1	
2566	900 lpm dot-matrix imp.	PCL	Supported on all Models	5.0	5.5	via HP-UX	1.0	5.1	3.1	
2567	1200 lpm dot-matrix imp.	PCL	Supported on all Models	4.0	5.5	via HP-UX	1.0	5.0	3.1	
Opt.046	CIPER protocol (aka #290,850)	HP-1B	Supported on all Models	No	5.5	via HP-UX	1.0	5.0	No	
Opt.046	Simple protocol (aka #200)	HP-1B	Supported on all Models	4.0	5.5	via HP-UX	1.0	5.0	3.1	
Opt.049	Serial interface	RS232	Supported on all Models	Inv.	5.5	via HP-UX	1.0	5.1	Inv.	
Opt.050	Serial interface	RS422	Supported on all Models	Uns.	Uns.	via HP-UX	1.0	Uns.	Uns.	
Opt.053	Parallel interface	Par.	Unsupported	6.2	Uns.	Uns.	Uns.	Uns.	Uns.	
2601A*	40 cps daisywheel imp. for use with Series 200/300	RS232	Models 310, 318, 319, 320, 330, 350, 360, 370.	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.	
Opt.826										
2602A*	25 cps daisywheel imp.	RS232	Unsupported on all Models	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.	
Opt.046	IEEE-488 interface	HP-1B	Unsupported on all Models	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.	
2603A*	45 cps daisywheel imp.	RS232	All Models except 362,360,382	5.0	Uns.	Uns.	Uns.	Uns.	Uns.	
2608A*	400 lpm dot-matrix imp.	HP-1B	Unsupported on all Models	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.	
Opt.046	AMIGO interface	HP-1B	Unsupported on all Models	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.	
2608S*	400 lpm dot-matrix imp.	HP-1B	Unsupported on all Models	Uns.	No	via HP-UX	via HP-UX	5.0	No	
Opt.290	CIPER interface	HP-1B	Unsupported on all Models	Uns.	No	via HP-UX	via HP-UX	5.0	No	
2631B*	180 cps dot-matrix imp.	HP-1B	Models 310, 318, 319, 320, 330, 350, 360, 370.	Uns.	Uns.	via HP-UX	via HP-UX	5.1	3.1	
Opt.046	IEEE-488 interface	HP-1B	Models 310, 318, 319, 320, 330, 350, 360, 370.	Uns.	Uns.	via HP-UX	via HP-UX	5.1	3.1	
2631G*	180 cps (2631B plus graphics)	HP-1B	Models 310, 318, 319, 320, 330, 350, 360, 370.	5.0	5.5	via HP-UX	via HP-UX	5.1	3.1	
2671A/G*	120 cps dot-matrix thermal	HP-1B	Models 310, 318, 319, 320, 330, 350, 360, 370.	5.0	Uns.	Uns.	Uns.	Uns.	3.1	
2673A*	Intelligent dot-matrix graphics	HP-1B	Models 310, 318, 319, 320, 330, 350, 360, 370.	5.0	Uns.	Uns.	Uns.	Uns.	3.1	
2680A	45 ppm laser, DCS	HP-1B	Does not function on Series 300	No	No	No	No	No	No	

Series 300 Printers, continued...

Product	Description	Type	Hardware Support	HP BASIC		Earliest Software Support			
				/WS	/UX	HP-UX/DOS 98286	SoftPC®	HP-UX	PAWS
2684A/D/P	LaserJet/2000 printer	PCL	Supported on all Models	Inv.	5.5	1.0	1.0	5.2	Uns.
26843A	Serial interface	RS232	Supported on all Models	Inv.	5.5	1.0	1.0	5.2	Uns.
26843B	Parallel interface	Par.	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
26843C	Shortline interface	16-bit	No interface	No	No	No	No	No	No
26843D	Longline (dit.) interface	16-bit	No interface	No	No	No	No	No	No
2686A°	LaserJet, 8 ppm	PCL	Supported on all Models	4.0 ¹	5.5	1.0	1.0	5.0	3.1
Opt.300	LaserJet+ features	-	Supported on all Models	4.0 ¹	5.5	1.0	1.0	5.0	3.1
2686D°	LaserJet 500 (dual bin)	PCL	Supported on all Models	4.0 ¹	5.5	1.0	1.0	5.0	3.1
	Serial port	RS232	Supported on all Models	4.0 ¹	5.5	1.0	1.0	5.0	3.1
	Parallel port	Par.	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
2687A°	12 ppm laser, not PCL	RS232	Unsupported on all Models	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
2688A°	12 ppm laser, DCS								
Opt.850	For Series 200/300 use	HP-1B	Unsupported on all Models	No	No	No	No	No	No
2932A°	200 cps dot-matrix imp.	RS232	Supported on all Models	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
Opt.046	IEEE-488 interface	HP-1B	Supported on all Models	4.0	5.5	1.0	1.0	5.0	3.1
2933A°	200 cps "Factory Printer"	RS232	Supported on all Models	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
Opt.046	IEEE-488 interface	HP-1B	Supported on all Models	4.0	5.5	1.0	1.0	5.0	3.1
2934A°	200 cps "Office Printer"	RS232	Supported on all Models	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
Opt.046	IEEE-488 interface	HP-1B	Supported on all Models	4.0	5.5	1.0	1.0	5.0	3.1
33439P	PostScript cartridge for LaserJet-11D, -11P & -11I	Font slot	Supported on all Models	Uns.	Uns.	Uns.	Uns.	8.0	Uns.
33440A	LaserJet-11 printer	PCL	Supported on all Models	4.0 ¹	5.5	1.0	1.0	5.0	3.1
33447A	LaserJet-11D printer	PCL	Supported on all Models	5.1	5.5	1.0	1.0	6.2	3.2
33449A	LaserJet-11I printer	PCL	All Models except 310	6.0	Inv.	Inv.	Inv.	8.0	Inv.
	Serial interface	RS232	Supported on all Models	5.1	5.5	1.0	1.0	6.2	3.2
	Parallel interface	Par.	Models 345, [R/]362, 375, 380, [R/]382	6.2	Inv.	Inv.	Inv.	8.0	Planned
33459A	LaserJet-11D printer	PCL	Supported on all Models	Inv.	Inv.	Inv.	Inv.	8.0	Inv.
	Serial interface	RS232	Supported on all Models	Inv.	Inv.	Inv.	Inv.	8.0	Inv.
	Parallel interface	Par.	Supported on all Models w/parallel	6.2	Inv.	Inv.	Inv.	8.0	Planned
33471A	LaserJet-11P printer	PCL	Supported on all Models	Inv.	Inv.	Inv.	Inv.	7.0	Inv.
	Serial interface	RS232	Supported on all Models	5.1	5.5	1.0	1.0	6.2	3.2
	Parallel interface	Par.	Supported on all Models w/parallel	6.2	Inv.	Inv.	Inv.	8.0	Planned
33481A	LaserJet-11P printer	PCL	Supported on all Models	Inv.	Inv.	Inv.	Inv.	8.0	Inv.
	Serial interface	RS232	Supported on all Models	Inv.	Inv.	Inv.	Inv.	8.0	Inv.
	Parallel interface	Par.	Supported on all Models w/parallel	Inv.	Inv.	Inv.	Inv.	8.0	Planned

Series 300 Printers, continued...

Product	Description	Type	Hardware Support	HP BASIC		Earliest Software Support				
				/WS	/UX	HP-UX/98286	HP-UX/DOS	Software [®]	HP-UX	PAWS
33491A	LaserJet III ¹ printer HP PCL-5 PostScript Parallel interface Serial interface Network interface	PCL Ps Par. Par. Par.	All Models except 310 All Models except 310 Models 345, [R/362, 375, 380, [R/382 All Models except 310 Under investigation	Inves. No 6.2 Inves. Inves.	Inves. No Inves. Inves. Inves.	Inves. Inves. Inves. Inves. Inves.	Inves. Inves. Inves. Inves. Inves.	Inves. Inves. Inves. Inves. Planned Inves.	Inves. No Inves. Inves. Inves.	
C2058x	Printer color printer	RS232 HP-IB Par.	Supported on all Models Supported on all Models Models 345, [R/362, 375, 380, [R/382	Inv. 5.1 6.2	5.5 5.5 6.2	1.0 1.0 Uns.	via HP-UX via HP-UX via HP-UX	via HP-UX via HP-UX via HP-UX	5.5 5.5 8.0	Uns. 3.23 ⁸ Uns.
3630A Opt.001 Opt.002 Opt.003	Parallel color printer Serial interface IEEE-488 interface Parallel interface	HP-IB RS232 APCL APCL APCL	Supported on all Models Supported on all Models Supported on all Models Supported on all Models Supported on all Models	6.0 Inv. 6.0 Inv. Inv.	5.5 Inv. 5.5 5.5 5.5	via HP-UX via HP-UX via HP-UX via HP-UX via HP-UX	via HP-UX via HP-UX via HP-UX via HP-UX via HP-UX	5.2 ³ Inv. ³ 5.2 ³ 5.2 ³ 5.2 ³	Inv. Uns. Inv. Inv. Inv.	
41063A ^a w/41050A Opt.001 Opt.002 Opt.003	Asian Workstation Printer Add serial interface JIS level 1&2 Japanese Simplified PRC Chinese Traditional ROC Chinese	HP-IB RS232 APCL APCL APCL	Supported on all Models Supported on all Models Supported on all Models Supported on all Models Supported on all Models	6.0 Inv. 6.0 Inv. Inv.	5.5 Inv. 5.5 5.5 5.5	via HP-UX via HP-UX via HP-UX via HP-UX via HP-UX	via HP-UX via HP-UX via HP-UX via HP-UX via HP-UX	5.2 ³ Inv. ³ 5.2 ³ 5.2 ³ 5.2 ³	Inv. Uns. Inv. Inv. Inv.	
7245B ^a	30 cps thermal plotter/printer	HP-IB	Unsupported on all Models	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.	
82905A ^a Opts 001-004 82905B ^a Opts 001-004	80 cps dot-matrix imp. IEEE-488 interface 80 cps dot-matrix imp. IEEE-488 interface	HP-IB HP-IB HP-IB	Unsupported on all Models	Uns. Uns. 5.0	Uns. Uns. Uns.	Uns. Uns. Uns.	Uns. Uns. Uns.	Uns. Uns. Uns.	3.12 3.12 3.12	
82906A ^a Opts 001-004	160 cps dot-matrix imp. IEEE-488 interface	HP-IB	All except 362, R/362, 360, 382, R/382	4.0	5.5	via HP-UX	via HP-UX	5.0	3.1	
9871A ^a Opt.001	30 cps daisywheel imp. IEEE-488 interface	8-bit HP-IB	Does not function on Series 300 Unsupported on all Models	No Uns.	No Uns.	No Uns.	No Uns.	No Uns.	No Uns.	
9866B ^a	240 lpm dot-matrix thermal	8-bit	Does not function on Series 300	No	No	No	No	No	No	
9876A ^a	400 lpm dot-matrix thermal	HP-IB	Supported on all Models	5.0	Uns.	Uns.	Uns.	Uns.	3.12	

^a Discontinued product listed for reference.
1 TRANSFER supported only on the 98623A interface.
2 Paper-out detection (and other conditions dependent on SRQ) are not supported.
3 Asian character set support requires 98515AJ (single-user) or 98595AJ (multi-user) HP-UX AXE.
4 All present, secondary commands (AMIGO protocol) must be disabled.
5 Use of SRQ is not supported.
6 Only monochrome graphics dump supported.

Series 300 Graphics Device Compatibility

This table covers graphics displays, plotters and tablets. It also covers printers in their graphics "raster dump" mode, and terminals/displays in their graphics mode. Be sure to check terminals/displays in the **Terminals and Displays** section as well as display interfaces in the **Interfaces and Accessories** section.

HP-UX/DOS and *SoftPC*® support for graphics devices is limited by the DOS application being used. All supported bit-mapped displays (see **Series 300 Terminal and Display** section) emulate

at least MDA and Hercules graphics. 2- and 3-button mice (and the M1309A trackball) emulate a Microsoft mouse. All other graphics input, picking and pointing devices may work, but are unsupported. Graphics hardcopy (e.g. plotter) device support is application-dependent.

Raster dumping is supported only from "internal" CRT displays, and not from terminals, although most graphics terminals can raster dump to a terminal-interfaced printer. Raster printing in HP-UX is accomplished by creating a *Starbase* bitmap

file, and printing that file with *peltans*. This routine has functioned correctly with all HP raster standard (E^C*b...) printers tested so far. The 2930-series printers are also supported by HP-UX/DGL[®] as vector devices via a rasterizing handler. DGL[®] programs may access all peripherals supported by *Starbase* via a *Starbase* handler. This is noted in the table by "SBL".

AGP/DGL[®] has been discontinued and is not supported on HP-UX releases after 7.0 (i.e., is not supported on 7.03 and later).

Product	Description	Type	Hardware Support	Earliest Software Support				PAWS DGL
				HP BASIC /WS	/UX	DGL [®]	HP-UX <i>Starbase</i>	
EV/RX VGA	1024 x 768 x 8 i/f 640 x 480 x 8 i/f	15-pin 15-pin	Model 382 only Models 362, R/362, 382, R/382	6.2 6.2	6.2 8.0	No No	8.0 8.0	Planned
A-LPFK	32-button keypad	Serial	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.
A1096A	Monochrome VRX board	DIO-II	Unsupported	No	6.2	SBL	7.03	No
A1097A/B	Monitor: 19" 1280x1024, 72Hz	RGB	No supporting interface	No				
A1416A	Color VRX board	DIO-II	Models 375 & 380 only	No	5.52	SBL	7.0	No
A1497A/B	Monitor: 16" 1024x768, 75Hz	RGB	Model 382 (EV/RX-1024) only					
C1200A Std.	Asian System Printer Serial interface	APCL RS232	Supported on all Models Supported on all Models	Inv. 6.0	5.5 5.5	Inv. Inv.	5.5 5.5	Inv. Inv.
C1202A Opt. 1AA Opt. 1A8 Opt. 1A9	Asian Serial Printer Parallel interface IEEE-488 interface Serial interface	APCL Par. HP-1B RS232	Under investigation Supported on all Models Supported on all Models Supported on all Models	6.0 6.0 6.0 6.0	Inv. Inv. Inv. Inv.	- - - -	Inv. Inv. Inv. Inv.	Inv. Inv. Inv. Inv.
C1600A [®] C1601A [®]	7600 Model 240D plotter 7600 Model 240E plotter IEEE-488 interface Serial interface Parallel interface	HP-GL/2 HP-GL/2 HP-1B RS232 Par.	Supported on all Models Supported on all Models Supported on all Models Supported on all Models Unsupported	Inv. Inv. Inv. Inv. Uns.	5.5 5.5 5.5 5.5	SBL SBL SBL SBL	6.2 6.2 6.2 6.2	Inv. Inv. Inv. Inv.

Product	Description	Type	Hardware Support	Earliest Software Support			PAWS DGL	
				HP BASIC /WS	HP BASIC /UX	DGL° HP-UX Starbase		
C1602A Opt. 1AX Opt. 1AX Opt. 1A8 C1608A	<i>Painter</i> : XL B-size color Serial/parallel interface Serial/parallel interface IEEE-488 interface HP-GL/2 cartridge	PCL RS232 Par. HP-1B C1602A	Unsupported Unsupported Supported on all Models Supported on all Models	Inves. Inves. 6.0 6.0	Inves. Inves. Inves. via HP-UX	Uns. Uns. Uns. via HP-UX	Inves. Inves. 7.0 7.0	Uns. Uns. Uns. Uns.
C1620A	7600 Model 355 (A0/E) color plotter IEEE-488 interface Serial interface Parallel interface	HP-GL/2 HP-1B RS232 Par.	Supported on all Models Supported on all Models Supported on all Models Unsupported	Inv. Inv. Inv. Uns.	5.5 5.5 5.5 Uns.	SBL SBL SBL Uns.	7.0 7.0 7.0 Uns.	Inv. Inv. Inv. Uns.
C1625/27A C1629/31A	7600 Model 250 (A1/D) mono plotter 7600 Model 255 (A1/D) mono plotter IEEE-488 interface Serial interface Parallel interface	HP-GL/2 HP-GL/2 HP-1B RS232 Par.	Supported on all Models Supported on all Models Supported on all Models Supported on all Models Unsupported	Inv. Inv. Inv. Inv. Uns.	5.5 5.5 5.5 5.5 Uns.	SBL SBL SBL SBL Uns.	7.0 7.0 7.0 7.0 Uns.	Inv. Uns. Uns. Uns. Uns.
C2106A	<i>Deskjet</i> 500 printer Serial interface Parallel interface	PCL RS232 Par.	Planned Planned Models 345, 362, R/362, 375, 380, 382, R/382.	Inv. Inv. 6.2	Inv. Inv. Uns.	SBL SBL Uns.	8.0 8.0 8.0	3.23 3.23 3.23
*C2301A/B *C2302A *C2303A/B *C2304A/B *C2305A/B *C2307A	X-terminal base unit Monochrome X-terminal, 17" VGA color X-terminal, 14" Hi-res color X-terminal, 16" Gray Scale X-terminal, 19" Color X-terminal, Japan, 19"	X11	Supported on all Models with (X-11) X-Window System client capability	No	Inves.	SBL	6.5	No
C2701A C2702A C2704A C2706A C2709A C2711A	700/RX RISC X-terminals Mi: base unit, monochrome 19Mi X-station, monochrome Ci: base unit, med-res color 16Ci: X-station, color Ca: base unit, hi-res color 19Ca: X-station, color	X11	Supported on all Models with (X-11) X-Window System client capability	No	Inves.	SBL	6.5	No
D1182A	Monitor, 16-inch, VGA	15-pin	Per VGA interface					
K1388	Dial set, 8 knob	RS232	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.
K1410	Mouse, 3-button	Quad.	Supported on all Models	4.0	5.5	SBL	5.2	3.2
K1422*	Spaceball XYZ, 8-button	RS232	<see: SPTL-2003>	Uns.	Uns.	Uns.	Uns.	Uns.
K1424	Summagraphics <i>Bit Pad Two</i>	RS232	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.
K1432	Summagraphics B-size tablet	RS232	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.

Series 300 Graphics, continued...

Product	Description	Type	Hardware Support	HP BASIC		Earliest Software Support		PAWS DGL
				/WS	/UX	DGL*	HP-UX Starbase	
K1434	Trackball, 3-button, Marconi RB2	Quad.	Under investigation	Uns.	Uns.	via HP-UX	via HP-UX	Inv.
K1435	Trackball, 3-button, Itac	Quad.	Under investigation	Uns.	Uns.	via HP-UX	via HP-UX	Inv.
K1603.06	Shinko CHC- color printers	<any>	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.
M1309A	Trackball, 3-button	HP-HIL	Supported on all Models	4.0	5.5	SBL	5.2	3.2
SPTL-2003	Spaceball XYZ, 8-button	RS232	< see: SPTL-2003 >	Uns.	Uns.	Uns.	Vendor	Uns.
13279B*	Monitor: 1024 x 768, color, 19"	RGB	<Supported with 98627A>					
1351*A/S Opt.002	Graphics Translator 16-bit interface	HP-1B GPIO	Unsupported on all Models Unsupported on all Models	No No	No No	No No	No No	No No
17623A*	Tablet for 262x terminals	2620	Unsupported on all Models	No	Uns.	5.0	5.0	No
2225A	Thinker printer	HP-1B	Supported on all Models	Ras.	5.5	Ras.	6.2	3.12
2225D	Thinker printer	RS232	Supported on all Models	Ras.	5.5	Ras.	5.2	Uns.
2227A	Quietel Plus	PCL						
2228A	Quietel Serial interface Parallel interface	PCL RS232 Par.	Supported on all Models All Models w/parallel	Ras. Uns.	5.5 Uns.	Ras. Uns.	5.2 8.0	Uns. Uns.
2227B	Quietel Plus	HP-1B	Supported on all Models	Ras.	5.5	Ras.	5.2	3.12
2235B/D	RuggedWriter	HP-1B	Supported on all Models	Ras.	5.5	SBL	5.2	3.23
2235B/D	RuggedWriter	RS232	Supported on all Models	Ras.	5.5	SBL	5.2	Inv.
2276A*	Desklet printer	PCL	Supported on all Models	Inv.	5.5	SBL	5.5	3.23
2277A*	Desklet Plus printer Serial interface Parallel interface	PCL RS232 Par.	Supported on all Models Supported on all Models All Models w/parallel	Inv. Inv. Uns.	5.5 5.5 Uns.	SBL SBL Uns.	6.5 8.0 <above>	3.23 3.23 3.23
2393A	Graphics terminal	RS232	Supported on all Models	No	5.5	5.0	5.0	No
2397A	Color terminal	RS232	Supported on all Models	No	5.5	5.0	5.0	No
2562C	300 lpm dot-matrix printer	PCL						
2563	300 lpm dot-matrix printer	PCL						
2564	600 lpm dot-matrix printer	PCL						
2565A*	600 lpm imp. printer	PCL						
2566	900 lpm imp. printer	PCL						
2567	1200 lpm imp. printer	PCL						
Opt.046	CIPER protocol (aka #290,850)	HP-1B	Supported on all Models	No	5.5	Ras.	5.2	No
Opt.046	Simple protocol (aka #200)	HP-1B	Supported on all Models	Ras.	5.5	Ras.	5.2	3.12
Opt.049	Serial interface	RS232	Supported on all Models	Inv.	5.5	Ras.	5.2	Uns.
Opt.050	Serial interface	RS422	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.
Opt.053	Parallel interface	Par.	Unsupported	Uns.	Uns.	Uns.	Uns.	Uns.

Series 300 Graphics, continued...

Product	Description	Type	Hardware Support	Earliest Software Support				PAWS DGL
				HP BASIC /WS	/UX	HP-UX DGL°	HP-UX Starbase	
2608A° 2608S° Opt.290	400 ipm AMIGO dot-matrix printer 400 ipm dot-matrix printer CI/PER interface	HP-1B HP-1B	Unsupported on all Models Unsupported on all Models	No No	No Uns.	No Uns.	No Uns.	No No
2623A° 2627A°	Monochromatic terminal Color terminal	RS232 RS232	Unsupported on all Models Unsupported on all Models	No No	5.5 5.5	5.0 5.0	5.0 5.0	No No
2631G°	180 cps dot-matrix printer	HP-1B	Models 310, 318, 319, 320, 330, 350, 360, 370 only.	5.0	Uns.	5.1	Uns.	3.12
2671G°/73A°	120 cps dot-matrix thermal prt.	HP-1B	Models 310, 318, 319, 320, 330, 350, 360, 370 only.	5.0	Uns.	Uns.	Uns.	3.12
2684°A/D/P	<i>LaserJet/2000</i> printer <see Printers for i/f support>	PCL	Supported on all Models	Inv.	5.5	Inv.	5.2	3.12
2686A° ³ Opt.:300 2686D° ³	<i>LaserJet</i> , 8 ppm <i>LaserJet</i> + features <i>LaserJet 500</i> (dual) <see Printers for i/f support>	PCL - PCL	Supported on all Models Supported on all Models Supported on all Models	Ras. 4.0 Ras.	5.5 5.5 5.5	Ras. 5.0 Ras.	5.2 5.0 5.2	3.12 3.1 3.12
2932A° 2933A° 2934A° Std. Opt.046	200 cps dot-matrix prt 200 cps dot-matrix prt 200 cps dot-matrix prt Serial interface IEEE-488 interface	PCL PCL PCL RS232 HP-1B	Supported on all Models Supported on all Models Supported on all Models	Uns. Ras. Ras.	5.5 5.5 5.5	Uns. Vec. Vec.	5.2 5.2 5.2	Uns. 3.12 3.12
33440A 33447A 33471A 33481A	<i>LaserJet</i> Series-II printer <i>LaserJet</i> -IID printer <i>LaserJet</i> -IIP printer <i>LaserJet</i> -IIP printer	PCL PCL PCL PCL	Supported on all Models Supported on all Models Supported on all Models Supported on all Models	Ras. Ras. Inves. Inves.	5.5 Inv. 5.52 5.52	Ras. SBL SBL SBL	5.2 6.2 8.0 8.0	3.12 3.2 Planned Planned
33449A 33459A 33491A	<i>LaserJet</i> -III printer <i>LaserJet</i> -IIID printer <i>LaserJet</i> -IIIst printer HP-GL/2 within PCL-5 PostScript graphics <see Printers for i/f support>	PCL PCL PCL HP-GL/2 Ps	Supported on all Models. Supported on all Models. Supported on all Models. Supported on all Models.	6.0 Inves. Inves. Inves. Uns.	Inves. Inves. Inves. Inves. Uns.	SBL SBL SBL SBL Uns.	8.0 8.0 8.0 8.0 Uns.	Planned Planned Inves. Inves. Uns.
3630A Opt.001 Opt.002 Opt.003	<i>Painter</i> color printer Serial interface IEEE-488 interface Parallel interface	PCL RS232 HP-1B Par.	Supported on all Models Supported on all Models Models 345,362,R/362,375,380,382,R/382. Supported with 98204B°, 98542A, 98543A, 98546A video interfaces	Inv. 5.1 6.2	5.5 5.5 Uns.	Inv. Ras. Ras. Uns.	5.5 5.5 8.0 8.0	Uns. Pla. Uns.
36721°A-C	Monitor: 512x390(400), monochrome, 14"	RS170	Supported with 98204B°, 98542A, 98543A, 98546A video interfaces					

Series 300 Graphics, continued...

Product	Description	Type	Hardware Support	Earliest Software Support				
				HP BASIC /WS	HP BASIC /UX	DGL°	HP-UX Starbase	PAWS DGL
35723A	Touchscreen bezel	HP-HILL	Supported where 35731/41A monitors are	4.0	5.5	SBL	5.0	3.1
35731A/B	Monitor: 512x400(390), monochrome, 12"	RS170	Supported with 2393A terminal and 98542/43/46A video interfaces					
35741A/B	Monitor: 512x400(390), color, 12"	RGB	Supported with 2397A terminal and 98542/43/46A video interfaces					
41063A° w/41050A	Asian Workstation Printer Serial Interface	HP-IB RS232	Supported on all Models Supported on all Models	6.0 6.0	Inv. Inv.	SBL Inv.	Inv. Inv.	Uns. Uns.
45610A/B°	HP 150 (used as 2623A emul.)	RS232	Supported on all Models except 345, V/360, 362, R/362, 380, 382, R/382.	No	5.5	5.0	5.0	No
45850A	HP 150-II (used as 2623A emul.)	RS232	All except 362, R/362, 380, 382, R/382.	No	5.5	5.0	5.0	No
45911A°	Tablet, 11 x 11"	HP-HILL	Supported on all Models	5.0 ⁵	5.5	SBL	5.1	3.1
45911C	Tablet, 11 x 11"	HP-HILL	Supported on all Models	5.0 ⁵	5.5	SBL	6.5	3.1
46020A/B°	Keyboard, ITF	HP-HILL	All Models except 345, V/360, 362, R/362, 375, 380, 382, R/382.	4.0	5.5	5.0	5.0	3.1
46021A	Keyboard, ITF	HP-HILL	Supported on all Models	4.0	5.5	5.0	5.0	3.1
46060A/B	Mouse, 2/3 button	HP-HILL	Supported on all Models	4.0	5.5	SBL	5.0	3.1
46083A	Control dial, single	HP-HILL	Supported on all Models	4.0	5.5	SBL	5.0	3.1
46085A	Dial set, 9 knob	HP-HILL	Supported on all Models	5.0	5.5	SBL	5.0	No
46086A	32-Button Pad	HP-HILL	Supported on all Models	5.0 ⁶	5.5	SBL	5.0	No
46087	Digitizer, A-size	HP-HILL	Supported on all Models	4.0	5.5	SBL	5.0	3.1
Opt.001	46089A° cursor	4608x	Supported on all Models	4.0	5.5	SBL	5.0	3.1
46087C	Digitizer, A-size; stylus	HP-HILL	Supported on all Models	4.0	5.5	SBL	5.0	3.1
46088	Digitizer, B-size	HP-HILL	Supported on all Models	4.0	5.5	SBL	5.0	3.1
Opt.001	46089A° cursor	4608x	Supported on all Models	4.0	5.5	SBL	5.0	3.1
46088C	Digitizer, B-size; stylus	HP-HILL	Supported on all Models	4.0	5.5	SBL	5.0	3.1
46089A°/B°	4-button cursor 46087/88	4608x	Supported on all Models	4.0	5.5	SBL	5.0	3.1
46090C	Digitizer, A-size; cursor	HP-HILL	Supported on all Models	4.0	5.5	SBL	5.0	3.1
46091C	Digitizer, B-size; cursor	HP-HILL	Supported on all Models	4.0	5.5	SBL	5.0	3.1
46094A	Quadrature Adaptor	HP-HILL	Supported on all Models	4.0	5.5	SBL	5.1	3.12
46095A	Mouse, 3-button	Quad.	Supported on all Models	4.0	5.5	SBL	5.1	3.12
7060A	Tablet, 11 x 11-inch.	RS232	Unsupported on all Models	No	No	No	No	No
7090A	Analog r.cdr. + 7475A	HP-IB	Supported on all Models	Uns.	Uns.	Uns.	Uns.	Uns.
7220/21°	B-size 4/8-pen pltrs	RS232	Unsupported on all Models	No	No	No	No	No
7225B°w/ 17601A	A-size, 1-pen plotter HP-GL module	HP-IB	Unsupported on all Models	Uns.	Uns.	Uns.	Uns.	Uns.

Series 300 Graphics, continued...

Product	Description	Type	Hardware Support	Earliest Software Support				
				HP BASIC /WS	/UX	DGL ^a	HP-UX Starbase	PAWS DGL
7240A ^a 7245B ^b	Thermal pltr/ptr Thermal pltr/ptr	RS232 HP-1B	Unsupported on all Models Unsupported on all Models	Uns. Uns.	Uns. Uns.	Uns. Uns.	Uns. Uns.	Uns. Uns.
7440A Opt.001 Opt.002 17440A	A-size, 8-pen <i>ColorPro</i> plotter Serial interface IEEE-488 interface HP-GL Enhancement ROM	HP-GL RS232 HP-1B 7440A	Supported on all Models Supported on all Models Supported on all Models	Uns. ⁷ 4.0 NOP	5.5 5.5 NOP	SBL 5.0 SBL	5.1 5.0 7.0	No 3.1 NOP
7470A ^a Opt.001 Opt.002	A-size, 2-pen plotter Serial interface IEEE-488 interface	HP-GL RS232 HP-1B	All except 362, R/362, 380, 382, R/382. As above	Uns. ⁷ 4.0	5.5 5.5	SBL 5.0	5.1 5.0	No 3.1
7475A Opt.001 Opt.002	B-size, 6-pen plotter Serial interface IEEE-488 interface	HP-GL RS232 HP-1B	Supported on all Models Supported on all Models	Uns. ⁷ 4.0	5.5 5.5	SBL 5.0	5.1 5.0	No 3.1
7510A ^a	Film recorder IEEE-488 interface Serial interface	HP-GL HP-1B RS232	All except 362, R/362, 380, 382, R/382. As above	4.0 Uns. ⁷	5.5 5.5	Uns. SBL	Uns. Uns.	Uns. No
7550A ^a	B-size, 8-pen plotter IEEE-488 interface Serial interface	HP-GL HP-1B RS232	Supported on all Models Supported on all Models	4.0 Uns. ⁷	5.5 5.5	5.0 SBL	5.0 5.1	3.1 No
7550B Opt.005 Opt.005 Opt.006	B-size, 8-pen plotter IEEE-488 interface Serial interface Parallel interface	HP-GL HP-1B RS232 Par.	Supported on all Models Supported on all Models Unsupported	4.0 Uns. ⁷ Uns.	5.5 5.5 Uns.	5.0 SBL Uns.	5.0 5.1 Uns.	3.1 No Uns.
7570A w/17570A	<i>DrxifPro</i> C/D-size, 8-pen plotter Serial interface IEEE-488 interface	HP-GL RS232 HP-1B	Supported on all Models Supported on all Models	Uns. ⁷ 4.0	5.5 5.5	SBL SBL	5.1 5.1	No 3.2
7575A 7576A	<i>DrxifPro</i> DXL, A., D-size, 8-pen plotter <i>DrxifPro</i> EXL, A., E-size, 8-pen plotter Serial interface	HP-GL HP-GL RS232	Supported on all Models	Uns. ⁷ 4.0	5.5 5.5	SBL SBL	5.1 5.1	No 3.22
w/17570A	IEEE-488 interface	HP-1B	Supported on all Models	4.0	5.5	5.0	5.0	3.1
7580A ^a Opt.002	D-size, 8-pen plotter IEEE-488 interface	HP-GL HP-1B	Supported on all Models except 345, V/360, 362, R/362, 375, 380, 382, R/382.	4.0	5.5	5.0	5.0	3.1
7580B ^b	D-size, 8-pen plotter IEEE-488 interface Serial interface	HP-GL HP-1B RS232	Supported on all Models Supported on all Models	4.0 Uns. ⁷	5.5 5.5	5.0 SBL	5.0 5.1	3.1 No

Series 300 Graphics, continued...

Product	Description	Type	Hardware Support	Earliest Software Support				
				HP BASIC /WS	HP BASIC /UX	DGL°	HP-UX /Starbase	PAWS DGL
7585A° Opt:002	E-size, 8-pen plotter IEEE-488 interface	HP-GL HP-IB	Supported on all Models except 345, V/360, 362, R/362, 375, 380, 382, R/382.	4.0	5.5	5.0	5.0	3.1
7585B	E-size, 8-pen plotter IEEE-488 interface Serial interface	HP-GL HP-IB RS232	Supported on all Models Supported on all Models	4.0 Uns.7	5.5 5.5	5.0 SBL	5.0 5.1	3.1 No
7586B	E-size, 8-pen, roll-feed IEEE-488 interface Serial interface	HP-GL HP-IB RS232	Supported on all Models Supported on all Models	4.0 Uns.7	5.5 5.5	5.0 SBL	5.0 5.1	3.1 No
7595A	<i>DraftMaster</i> , E-size, 8-pen plotter IEEE-488 interface Serial interface	HP-GL/2 HP-IB RS232	Supported on all Models Supported on all Models	5.0 Uns.7	5.5 5.5	SBL SBL	5.2 5.2	3.23 ¹⁶ No
7595B	<i>DraftMaster</i> , E-size, 8-pen plotter IEEE-488 interface Serial interface	HP-GL/2 HP-IB RS232	Supported on all Models Supported on all Models	5.0 Uns.7	5.5 5.5	SBL SBL	5.2 5.2	3.23 ¹⁶ No
7596A	<i>DraftMaster</i> , E-size, 8-pen, roll-feed IEEE-488 interface Serial interface	HP-GL/2 HP-IB RS232	Supported on all Models Supported on all Models	5.0 Uns.7	5.5 5.5	SBL SBL	5.2 5.2	3.1 No
7599A	<i>DraftMaster</i> MX, E, 8p, roll, spooled IEEE-488 interface Serial interface	HP-GL/2 HP-IB RS232	Supported on all Models Supported on all Models	Inv. Uns.7	5.5 5.5	SBL SBL	7.0 7.0	3.23 ¹⁶ No
82905B° #001-004	80 cps dot-matrix imp. ptr IEEE-488 interface	HP-IB	Models 310, 318, 319, 320, 330, 350, 360, 370 only.	Uns.	Uns.	No	No	Uns.
82906A° #001-004	160 cps dot-matrix imp. ptr IEEE-488 interface	HP-IB	All except 362, R/362, 380, 382, R/382. Supported where 98204A° is	Ras.	5.5	Ras.	Ras.	3.12
82912°/13A°	Monitors: 400x300, monochrome, 9/12"	RS170	Supported where 98204A° is					
9111A°	Graphics tablet	HP-IB	Models 310, 318, 319, 320, 330, 350, 360, 370 only.	4.0	5.5	5.0	5.0	3.1
9190A°11	HP <i>ScanJet</i> scanner	Par.	Unsupported on all Models.	Uns.	Uns.	Uns.	Uns.	3.23
9195A11	HP <i>ScanJet</i> scanner	Par.	Supported on Models 345, 362, R/362, 375, 380, 382, R/382.	6.2	via HP-UX	Uns.	7.05*	3.23*
9666A°	Ruggedized 2397A	RS232	Supported on all Models	No	5.5	5.0	5.0	No
98204A°	400 x 300 video interface 512 x 390 video interface	DIO-pair DIO-pair	Unsupported on all Models Supported only on Models 310 and 320	Uns. Uns.	Uns. Uns.	Uns. Uns.	Uns. Uns.	No Uns.

Series 300 Graphics, continued...

Product	Description	Type	Hardware Support	Earliest Software Support			PAWS DGL	
				HP BASIC /WS	HP-UX /UX	HP-UX DGL ^o Starbase		
98285A	512-1024 video upgrade	DIO-Sys.	Supported on Models 332 and R/332 only	5.13	Inv.	SBL	6.5	3.22
98287A ^e	1024 x 768 x 4.8 bit-mapped DIO-I/O 98700 ^a A/H "CX" interface	DIO-I/O	Supported on all DIO-I hosts except Models 340, 362, R/362, 375, 390, 382, R/382.	4.0	5.5	SBL	5.0	3.1
98542A	512 x 400 x 1 bit-mapped interface	DIO-Sys.	Supported on all Models except 318, 319, R/332, 340, 345, 362, R/362, 382, R/382. Built-in on Models 310, 332, R/332 and V/360 Opt.542.	4.0	5.5	SBL	5.0	3.1
98543A	512 x 400 x 4 bit-mapped interface	DIO-Sys.	Supported on all Models except 318, 319, R/332, 340, 345, 362, R/362, 382, R/382. Built-in on Model V/360 Opt.543.	4.0	5.5	SBL	5.0	3.1
98544A ^e	1024 x 768 x 1 bit-mapped interface	DIO-Sys.	Supported on all Models except 318, 319, R/332, 340, 345, V/360, 362, R/362, 382, R/382.	4.0	5.5	SBL	5.0	3.1
98544B	1024 x 768 x 1 bit-mapped interface	DIO-Sys.	Supported on all Models except 319, 345, 362, R/362, 382, R/382. Built-in only on Models 318, [R/1332 Opt.544, 340M and V/360 Opt.544.	4.0	5.5	SBL	5.0	3.1
98545A ^e	1024 x 768 x 4 bit-mapped interface	DIO-Sys.	Supported on all Models except 318, 319, R/332, 340, 345, V/360, 362, R/362, 382, R/382.	4.0	5.5	SBL	5.0	3.1
98546A	512 x 390 x 1 compatibility interface	DIO-Sys.	Supported on Models except 318, 319, 340, 345, V/360, 362, R/362, 382, R/382.	4.0	No	5.0	Inv.	3.1
98547A	1024 x 768 x 6 bit-mapped interface	DIO-Sys.	Supported on all Models except 318, 319, R/332, 340, 345, V/360, 362, R/362, 382, R/382.	4.0	5.5	SBL	5.0	3.1
98548A	1280 x 1024 x 1, MH mono. video interface	DIO-II	Supported on all Models except 310, 318, 319, R/332, 345, V/360, 362, R/362, 382, R/382. Built-in only on Models 340MH and 345MH.	5.1	5.5 ¹⁵	SBL	5.5	3.21
98549A	1024 x 768 x 6, C+ color video interface	DIO-II	Supported on all Models except 310, 318, R/332, 362, R/362, 382, R/382. Built-in only on Model 319C+, 340C+, 345C+ and V/360 Opt.549.	5.1	5.5 ¹⁵	SBL	5.5	3.21
98550A	1280 x 1024 x 8, CH color video interface	DIO-II	Supported on all Models except 310, 318, 319, R/332, 362, R/362, 382, R/382. Built-in only on Model 340CH, 345CH and V/360 Opt.550.	5.1	5.5 ¹⁵	SBL	5.5	3.21
98556A	CHX Accelerator	98550	Supported wherever 98550A/CH is, except Models 320, 345 and V/360.	No	No	SBL	5.5	No

Series 300 Graphics, continued...

Product	Description	Type	Hardware Support	Earliest Software Support				
				HP BASIC /WS	HP BASIC /UX	DGL°	HP-UX Startup	PAWS DGL
98627A	512x474 RGB graphics	DIO-I/O	Supported on 310, 320. See Note 9.	4.0	Uns.	5.0	Uns.	3.1
98700A/H	CX Controller: see also 98287A°	DIO-I/O	Supported on all DIO-I/O Models except 340, 362, R/362, 375, 380, 382, R/382.	4.0	5.5	SBL	5.0	3.1
98710A°	Graphics Accelerator	98700	Same as 98700A°	No	5.5	SBL	5.0	Uns.
9872A	B-size, 4-pen plotter	HP-IB	Unsupported on all Models	Uns.	Uns.	No	Uns.	Uns.
9872B/S	B-size, 8-pen plotter	HP-IB	Supported on 310, 320, 330 and 350	Uns.	Uns.	5.0	5.0	3.12
9872C/T	B-size, 8-pen plotter	HP-IB	Models 310, 318, 319, 320, 330, 350, 360, 370 only.	Uns.	Uns.	5.0	5.0	3.1
98720A	SRX Controller: see also 98724/25	LGB	Supported on all Models except 310, 318, V/360, 362, R/362, 382, R/382.	No	5.5 ¹⁵	SBL	5.18	No
98721A	Accelerator	98720	Same as 98720A	No	5.52 ¹⁵	SBL	5.18	No
98722A	8 Memory Planes	98720	Same as 98720A	No	5.5 ¹⁵	SBL	5.18	No
98724A	98720A SRX 1280x1024x8-24 i/f	DIO-I/O	Supported only on Model 320 and 332	No	5.5	SBL	5.18	No
98725A	98720A SRX 1280x1024x8-24 i/f	DIO-Sys.	Supported on all Models except 310, 318, 319, 320, R/332, V/360, 362, R/362, 382, R/382. Built-in-only on Models 319SRX, 340SRX and 345SRX.	No	5.5 ¹⁵	SBL	5.18	No
98726A	98730A 1280x1024x8-24 i/f	DIO-II	Supported on Models 330, 350, 360, 370, 375, 380. Built-in only on Model 345TSRX.	No	5.5 ¹⁵	SBL	6.2	No
98730A	TurboSRX: see also 98726A	LGB	Supported on Models 330, 345TSRX, 350, 360, 370, 375 and 380.	No	5.5 ¹⁵	SBL	6.2	No
98722A	8 Memory Planes	98730	Same as 98730A	No	5.5 ¹⁵	SBL	6.2	No
98732A	3D Accelerator	98730	Same as 98730A	No	5.52 ¹⁵	SBL	6.2	No
9874A°	Digitizer	HP-IB	Unsupported on all Models	Uns.	Uns.	No	No	Uns.
98751A°	Monitor: 1024x768, color, 19"	RGB	Supported with 98545A°/47A/49A and 98287A°/98700A/H video interfaces					
98752A°	Monitor: 1280x1024, color, 19"	RGB	Supported with A1416A, 98550, 98705, 98720, 98730 and 98735/36					
98753A	Monitor: 1024x768, color, 19"	RGB	Supported with 98545A°/47A/49A and 98700°					
98754A	Monitor: 1280x1024, color, 19"	RGB	Supported with A1416A, 98550, 98705, 98720, 98730 and 98735/36					

Series 300 Graphics, continued...

Product	Description	Type	Hardware Support	Earliest Software Support			PAWS DGL
				HP BASIC /WS	HP BASIC /UX	HP-UX Starbase DGL°	
9876A°	400 lpm thermal printer	HP-IB	Supported on all Models	5.0	Uns.	Ras.	5.2
98778A	Monitor: 1024 x 768, monochrome, 19"	BNC	Supported with 98544B video interface				
98779A	Monitor: 1280 x 1024, monochrome, 19"	BNC	Supported with 98548A video interface				
98781A°	Monitor: 1024 x 768, mono., 17"	9-pin RGB	Supported with 98544A° video interface				
98782A°	Monitor: 1024 x 768, color, 19"	RGB	Supported with 98545A°/47A/49A and 98287A/98700° video interfaces				
98784A°	Monitor: 1280 x 1024, color, 19"	RGB	Supported with A1416A, 98550, 98705, 98720, 98730 and 98735/36				
98785A	Monitor: 1024 x 768, color, 16"	RGB	Supported with 98545A°/47A/49A and 98287A°/98700°A/H video interfaces				
°98786A	Monitor: 1024 x 768, monochrome, 17"	BNC	Supported with 98544B video interface				
°98788A	Monitor: 1280 x 1024, monochrome, 19"	BNC	Supported with 98548A video interface				
98789A	Monitor: 1280 x 1024, color, 16"	RGB	Supported with A1416A, 98550, 98705, 98720, 98730 and 98735/36				

- ° Discontinued product listed for reference.
- * Only low-level I/O is supported. A contributed application, *zhpacsn*, is available for HP-UX use in X-windows.
- 2 41063A presently supported only in Asian ICON countries. Domestic U.S. support in progress.
- 3 Standard 2686A has insufficient raster memory for full 1024 x 768 graphics dump.
- 4 May be compatible with 7475A handler - has not been Q.A'd.
- 5 Digitizing over the full tablet is possible. Cursor tracking is not possible on top 25% of tablet.
- 6 Requires user-written raw HP-HIL device access. Not transparently supported as graphics button device in HP BASIC/WS.
- 7 HP BASIC/WS 5.0 graphics contains enhancements to permit possible future full support of RS-232C plotters. At present, non-trivial interface configuration and plotter escape sequence programming is required prior to "PLOTTER IS 9," "HPGL." To date only informal testing (on 7550A, 7570A and 7596A) has been performed.
- 8 Color printing from DGL° requires linking of the *Starbase* Memory Driver.
- 9 The 98627A is supported on 330, 332, R/332, 350, 360 and 370, but only in HP BASIC/WS and Pascal/WS.
- 10 Revision A2 may be used if the card is configured for DIO-1 address space.
- 11 A third-party DIO-1 Centronics interface card is required to connect the *Starbase* to a Series 300 computer other than a 345, 362, R/362, 375, 380, 382 or R/382.
- 15 ITE use requires interface configured to DIO-1 (not DIO-1b) address space. X-Windows use unrestricted.
- 16 Supported in HP-GL (1) compatibility mode only.

Series 300 Data Communications Devices (Other than interface cards)

The "Min. Boot ROM" column refers to the computer's ability to load a remote system via the datacomm device.

Product	Description	Type	Min. Boot ROM	Hardware Support	HP BASIC		Earliest Software Support			HP-UX	PAWS
					/WS	/UX	HP-UX/DOS	Software [®]	HP-UX		
13264A [®]	DSN/DL Data Link Adaptor	50pin	NOP	Unsupported on all Models.	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
13265A [®]	300 Baud Modem	50pin	No	Unsupported on all Models	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
13266A [®]	Current Loop Adaptor	50pin	Uns.	Unsupported on all Models	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
2285A [®]	LAN Interface unit	HP-1B	No	Unsupported on all Models	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
2334A [®]	X.25 Cluster controller	RS232	No	Supported on all Models	Uns.	5.5	via HP-UX	via HP-UX	5.0	Uns.	Uns.
2335A	X.25 Cluster controller	RS232	No	Supported on all Models	Uns.	5.5	via HP-UX	via HP-UX	5.0	Uns.	Uns.
2340A	DTC-16 LAN Terminal Server	LAN	No	Supported on all Models	No	5.5	—	Via HP-UX	7.0*	No	No
2342A [®]	TS8 LAN Terminal Server	LAN	No	Supported on all Models	No	5.5	—	Via HP-UX	7.0*	No	No
2345A	DTC LAN Terminal Server	LAN	No	Supported on all Models	No	5.5	—	Via HP-UX	7.0*	No	No
26075A	HP-1B Switch	HP-1B	Rev.A	Supported on all Models	4.0	5.5	1.0	1.0	5.1	3.1	3.1
26641A [®] /B	ThinLAN MAU (10Base2)	AUI	Rev.B	Supported on all Models w/AUI	Note ³	5.5	2.0	1.3	5.0	3.23	3.23
26664A [®]	StarLAN-10 MAU	AUI	Rev.B	Supported on all Models w/AUI	NA	5.5	2.0	1.3	5.0	3.23	3.23
26682A	Fiber Optic Hub Plus	AUI/ST	Rev.B	Supported on all Models w/AUI	Note ³	5.5	2.0	1.3	5.0	3.23	3.23
26683A	Fiber Optic Transceiver	AUI/ST	Rev.B	Supported on all Models w/AUI	Note ³	5.5	2.0	1.3	5.0	3.23	3.23
26685A	EtherTwist MAU (10BaseT)	AUI	Rev.B	Supported on all Models w/AUI	Note ³	5.5	2.0	1.3	5.0	3.23	3.23
30241A	ThickLAN MAU (10Base5)	AUI	Rev.B	Supported on all Models w/AUI	Note ³	5.5	2.0	1.3	5.0	3.23	3.23
37201A	RS-232 HP-1B Extender	HP-1B	No	Supported on all Models	4.0	5.5	1.0	via HP-UX	5.1	3.1	3.1
37203A [®]	Coax/Fibre HP-1B Extender	HP-1B	Uns.	Supported on all Models	4.0	5.5	1.0	via HP-UX	5.1	3.1	3.1
37204A	Coax/Fibre HP-1B Extender	HP-1B	Uns.	Supported on all Models	4.0	5.5	1.0	via HP-UX	5.1	3.1	3.1
37212A [®]	300/1200 baud modem	RS232	No	Supported on all Models	Uns.	5.5	1.0	via HP-UX	5.0	3.1 ²	3.1 ²
37212B	2400 baud modem	RS232	No	Supported on all Models	Uns.	Inv.	via HP-UX	via HP-UX	6.5	Uns.	Uns.
39301A [®]	Fibre Optic RS-232C MUX	RS232	NOP	All except 362, R/362, 380, 382, R/382	Uns.	5.5	1.0	via HP-UX	5.1	Uns.	Uns.
82169A	HP-1B/HP-1L Converter	HP-1B	No	All except 362, R/362, 380, 382, R/382	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
92178S	RS-232C switch	RS232	Uns.	Unsupported on all Models.	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
92203A	Codex 2264 V.342 modem	RS232	No	Under investigation	Uns.	Uns.	via HP-UX	vi HP-UX	Inv.	Uns.	Uns.
92205A/C	Hayes Smartmodem 1200	RS232	No	Supported on all Models	Uns.	5.5	1.0	1.0	5.0	3.1 ²	3.1 ²
92205B	Hayes Smartmodem 2400	RS232	No	Supported on all Models	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
92205J	[35031A] A-J 1200b modem	RS232	No	Unsupported on all Models	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
98028A [®]	SRM Multiplexer	50pin	Rev.A	All DIO-1 except 362, R/362, 380, 382, R/382	4.0	5.5	via HP-UX	via HP-UX	5.0	3.1	3.1
USR2400	Courier modem	RS232	No	Unsupported on all Models.	Uns.	5.5	via HP-UX	via HP-UX	5.0	Uns.	Uns.
USR9600	Courier HST modem	RS232	No	Qualified on all Models.	Uns.	5.5	via HP-UX	via HP-UX	6.5	Uns.	Uns.
RA12E-T1	Telebit modem	RS232	No	Qualified on all Models.	Uns.	5.5	via HP-UX	via HP-UX	6.5	Uns.	Uns.

* A DOS PC or Series 800 HP-UX system is required for execution of the network management software for LAN DTCs.
 1 Auto-answer capability untested. Auto-dial must be user-written.
 2 Modems supported requires user-written software or a Terminal Emulator package.
 3 LAN access from BASIC/WS requires SRM/UX or NRC "Fusion" software.

Series 300 Miscellaneous Peripheral Compatibility

The "Min. Boot ROM" column refers to the computer's ability to load a remote system in the case of the 98028A^o, and to load a system from a device interfaced via the Bus Extender in the case of the 98568A, 98570A and 9888A^o.

Product	Description	Type	Min. Boot ROM	Hardware Support	HP BASIC		Earliest Software Support		HP-UX	PAWS
					/WS	/UX	98286	SoftPC ^o		
A1401A	DIO-II to DIO-I/O converter	DIO-II	NOP	Unsupported	-	-	-	-	-	-
A2246A	DIO-I expander	19-in	NOP	Models 362, 382 only	6.2	6.2	No	Inves.	8.0	Planned
A2247A	DIO-II expander	19-in	NOP	Models 362, 382 only	6.2	6.2	No	Inves.	8.0	Planned
6940B	Multiprogrammer	GPIO	NOP	Models 310, 320 only.	NA	NA	Yes	Yes	Yes	Yes
6942A	Multiprogrammer-II	HP-IB	NOP	All except 362, R/362, 380, 382, R/382.	4.0	5.5	Uns.	Uns.	Uns.	3.1
6944A	Series 200 Multiprogrammer	98633A	NOP	Models 310, 320, 330, 350 only.	NA	NA	Yes	Yes	Yes	Yes
92203J/K	HP-IB to centronics converter	HP-IB	NOP	Supported on all Models	5.0	Via HP-UX	Via HP-UX	Via HP-UX	7.0	3.0
98242A/B	4-slot/2-slot DIO upgrade	DIO-Sys.	Rev.A	Supported on 325mm DIO-Sys. and DIO-II SPU's and expanders having no existing DIO-I slots,	5.0	5.5	1.0	1.0	5.2	3.2
98568A Standard	Series 300 DIO Expander DIO interconnect	300/16	Rev.A	Supported only on Models 310, 320 and 332 (not R/332), or on another 98568A.	4.0	5.5	1.0	1.0	5.0	3.1
Option 132	DIO-II interconnect	300/32	Rev.A2	Supported on Models 330, 350, 360, 370, 375, 380 and on a 98570A expander.	5.0	5.5	1.0	1.0	5.2	3.2
98570A Option 004	Series 300 DIO-II Ext. Delete 4 DIO slots	300/32	Rev.A2	Supported on all 325mm DIO-II hosts. Does not affect support.	5.0	5.5	1.0	1.0	5.2	3.2
98577A	Series 300 VME Ext.	300/32	Rev.C	Supported on all 325mm DIO-II hosts.	No	Via HP-UX	Via HP-UX	Via HP-UX	6.0	Uns.
9883A ^o	Paper tape reader	GPIO	NOP	Unsupported on all Models.	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
9884A ^o	Paper tape punch	GPIO	NOP	All DIO-I Models except 332, R/332, 340, 362, R/362, 375, 380, 382, R/382.	4.0	Uns.	Uns.	Uns.	3.1 ³	Uns.
9888A ^o	Series 200 Bus Extender	Rev.A	DIO-I/O	Supported on all DIO-I/O Models except 332, 340, 362, R/362, 380, 382, R/382. See HP 9000 Workstations Configuration Guide for restrictions.	4.0	5.5	1.0	1.0	5.0	3.1

- ^o Discontinued product listed for reference.
- ¹ Model 330 computers must have a 98562-66513 or later processor board.
- ² Supported only via CONTROL (<sc>.255....) plus READIO/WRITEIO.
- ³ Auto-answer capability untested. Auto-dial must be user-written.
- ⁴ Modems supported requires user-written software or a Terminal Emulator package.
- ⁵ Paper tape punch support requires user-written software or the HP-EGS 98310A Photoplotter/NC Drill utility.
- ⁶ HP BASIC/W5 4.0 supports 92916A only as "keycode" device. HP BASIC/W5 5.0 required for "ASCII" mode support.

Series 300 Interface and Accessory Compatibility

The "Min. Boot ROM" column refers to the computer's ability to identify the interface, load a system from the card or connected peripheral (if the interface supports this), and allow control of the boot process from the keyboard.

Product	Description	Type	Min. Boot ROM	Hardware Support	HP BASIC		Earliest Software Support				
					/WS	/UX	98286	HP-UX/DOS SoftPC®	HP-UX	PAWS	
A1096A	Mono VRX interface	DIO-II	Inv.	Under investigation	No	via HP-UX	via HP-UX	via HP-UX	7.03	No	
A1416A	Color VRX interface	DIO-II	Rev.D	Models 375 and 380 only	No	via HP-UX	via HP-UX	via HP-UX	7.0	No	
A2200A	4 Mbyte RAM pair	ECC-SIMM	Rev.3.0	Models 382 and R/382 only	6.2	No	Via HP-UX	8.0	Planned		
A2201A	8 Mbyte RAM pair	ECC-SIMM	Rev.3.0	Models 382 and R/382 only	6.2	No	Via HP-UX	8.0	Planned		
A2202A	16 Mbyte RAM pair	ECC-SIMM	Rev.3.0	Models 382 and R/382 only	6.2	No	Via HP-UX	8.0	Planned		
D2152A	8 Mbyte RAM	SIMM	Rev.3.0	Models 362 and R/382 only.	6.2	6.2	No	via HP-UX	8.0	Planned	
D2156A	4 Mbyte RAM	SIMM	Rev.3.0	Models 362 and R/382 only.	6.2	6.2	No	via HP-UX	8.0	Planned	
D2381A	2 Mbyte RAM	SIMM	Rev.3.0	Models 362 and R/382 only.	6.2	6.2	No	via HP-UX	8.0	Planned	
09920-6653x*	Series 200 Human Interface	DIO-I/O	NA	Does not function on Series 300	No	No	No	No	No	No	
09920-66562	Model 237 video Interface	DIO-I/O	NA	Does not mate with Series 300	No	No	No	No	No	No	
28672A	SBX 8-port Mux	SBX	NA	Supported on 98297A only	No	Uns.	Uns.	Uns.	7.0 ¹⁰	Uns.	
36592/93A	SNALink (incl. 98649A)	DIO-I/O	NOP	All DIO-I/O hosts except 362, R/362, 382 and R/382.	No	Via HP-UX	Uns.	Uns.	5.1	No	
36941A	X.25/300 Link	DIO-I/O	NOP	All DIO-I/O hosts except 362, R/362, 382 and R/382.	No	Via HP-UX	Via HP-UX	Via HP-UX	6.5	No	
50955A	IBM 3278 Coax interface	DIO-I/O	ID	All DIO-I/O hosts except 362, R/362, 380, 382 and R/382.	NA	NA	Uns.	No	NA	3.1	
50961A#200	SRM Coax interface	DIO-I/O	Rev.A	All DIO-I/O hosts	4.0	5.5	Uns.	Uns.	5.0	3.1	
50962A	SRM Coax interface	DIO-I/O	Rev.A	All DIO-I/O hosts	4.0	5.5	Uns.	Uns.	5.0	3.1	
98143A	8 MHz Processor Upgrade	2xDIO	NA	Does not function on Series 300	NA	NA	NA	NA	NA	NA	
98143U/T	12.5 MHz HP-UX Upgrade	2xDIO	NA	Does not function on Series 300	NA	NA	NA	NA	NA	NA	
98171A	LAN interface (Thin)	DIO-I/O	Rev.B	All DIO-I/O hosts	Note ¹⁶	5.5	Via HP-UX	Via HP-UX	5.0	3.23 ¹⁶	
Option 740	Subs. 30241A ThickMAU	-	Rev.B	All DIO-I/O hosts	Note ¹⁶	5.5	Via HP-UX	Via HP-UX	5.0	3.23 ¹⁶	
Option 840 ^e	Subs. 28664A StartLAN-10 MAU	-	Inves.	All DIO-I/O hosts	Note ¹⁶	5.5	Via HP-UX	Via HP-UX	5.0	3.23 ¹⁶	
Option 840	Subs. 28685A 10Baset MAU	-	Inves.	All DIO-I/O hosts	Note ¹⁶	5.5	Via HP-UX	Via HP-UX	5.0	3.23 ¹⁶	
98201A	Custom Keypad interface	DIO-I/O	NA	Does not function on Series 300	NA	NA	NA	NA	NA	NA	
98204A ^e	Video Output interface	DIO-pair	Uns.	Unsupported, may not function.	Uns.	Uns.	No	No	Uns.	Uns.	
Option 090	Delete graphics card	DIO-Acc.	Uns.	Same as above.	Uns.	Uns.	No	No	Uns.	Uns.	
98204B ^e	Video Output interface	DIO-pair	Uns.	Unsupported on all Models	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.	

Series 300 Interfaces & Accessories, continued...

Product	Description	Type	Min. Boot ROM	Hardware Support	Earliest Software Support					
					HP BASIC /WS	HP BASIC /UX	HP-UX/98286	HP-UX/DOS SoftPC®	HP-UX	PAWS
98229A	4 Mb ECC RAM pair, 1 Mbit	Short	Rev.D	Supported on Models 345,375,380	5.13	5.5	2.0	1.0	7.0	3.23
98229B	8 Mb ECC RAM pair, 1 Mbit	Tall	Rev.D	Supported on Models 375,380	5.13	5.5	2.0	1.0	7.0	3.23
98229C	4 Mb ECC RAM pair, 1 Mbit	Tall	Rev.D	Unsupported on Series 300	-	-	-	-	-	-
98229D	16 Mb ECC RAM pair, 4 Mbit	Tall	Rev.D	Supported on Models 375,380	-	-	-	-	-	-
98229E	32 Mb ECC RAM pair, 4 Mbit	Tall	Rev.D	Supported on Models 375,380	5.13	5.5	2.0	1.0	7.0	3.23
98229S	16 Mb ECC RAM pair 4 Mbit.	Short	Rev.D	Supported on Models 345,375,380	5.13	5.5	2.0	1.0	7.0	3.23
98235A	Model 340 AUI daughter board	340	Rev.C1	Supported only on Model 340	Note 4,16	Via HP-UX	Via HP-UX	Via HP-UX	6.2	3.23,16
98237A	Model 340 ThinMAU daughter board	340	Rev.C1	Supported only on Model 340	Note 4,16	Via HP-UX	Via HP-UX	Via HP-UX	6.2	3.23,16
98243A	Model 310-to-320 upgrade	DIO-Sys.	Rev.B*	Supported only on Model 310	4.0	5.5	1.0	1.0	5.0	3.1
98244A	Model 330-to-350 upgrade	DIO-II	Rev.B*	Supported only on Model 330	5.0	5.5	1.0	1.0	5.2	3.2
98247A	Model 330-to-360 upgrade	DIO-II	Rev.C1*	Supported only on Model 330	5.13	5.5	1.0	1.0	6.2	3.22
98247B	Model 350-to-370 upgrade	DIO-II	Rev.C1*	Supported only on Model 350	5.13	5.5	1.0	1.0	6.2	3.22
98247C	Model 360-to-370 upgrade	DIO-II	Rev.C1*	Supported only on Model 360	5.13	5.5	1.0	1.0	6.2	3.22
98248A	Floating point accelerator	DIO-II	ID	All DIO-II hosts except 362, 380, 382.	No	Uns.	NOP	Uns.	5.5	No
98248B	Floating point accelerator	DIO-II	ID	Supported on Models 330, 360 and 370	No	NOP	Uns.	Uns.	6.2	No
98253A	EPROM Programmer interface	DIO-Acc.	ID	Supported on 310, 320 and 330.	4.0	5.5 ^o	No	No	No	3.1
98254A ^e	64 Kbyte RAM memory card	DIO-Acc.	Uns.	Unsupported on DIO hosts. Does not function on DIO-II hosts.	Uns.	Uns.	Uns.	Uns.	Uns.	Uns.
98255A	EPROM memory card	DIO-Acc.	Rev.A	All DIO-I/O hosts except 380. Not supported in 9889A ^e expander.	4.0	5.5 ^o	Uns.	Uns.	Uns.	3.1
98256A	256 Kbyte RAM memory card	DIO-Acc.	Rev.A	Supported on Models 310 and 320 only.	4.0	5.5	1.0	1.0	5.0	3.1
98257A	1.0 Mbyte RAM memory card	DIO-Acc.	Rev.A	Supported on Models 310 and 320 only.	4.0	5.5	1.0	1.0	5.0	3.1
98258A	4 Mbyte DIO-II RAM/controller	DIO-II	Rev.A2	Supported on Models 330, 350 and 370 only.	5.0	5.5	1.0	1.0	5.2	3.2
98258B	4 Mbyte daughter RAM	98258A	Rev.A2	Supported on Models 330, 350 and 370 only.	5.0	5.5	1.0	1.0	5.2	3.2
98258C	12 Mbyte daughter RAM	98258A	Rev.A2	Supported on Models 350 and 370 only.	5.0	5.5	1.0	1.0	5.2	3.2
98259A	128K Bubble memory card	DIO-Acc.	Rev.A	All DIO-I/O hosts except 362, R/362, 380, 382, R/382.	4.0	5.5 ^o	Uns.	Uns.	Uns.	Uns.
98261A ^e	HP BASIC 1.0 ROM boards	DIO-Acc.	NA	Non-functional on Series 300.	NA	NA	NA	NA	NA	NA
	HPL 1.0 ROM card	DIO-Acc.	NA	Non-functional on Series 300.	NA	NA	NA	NA	NA	NA
98262A	HP-IB daughter Interface	98562-6653x	Rev.A2	Supported on Models 330, 350, 360 and 370.	5.0	5.5	1.0	1.0	5.2	3.23
98264A	8 Mbyte DIO-II ECC RAM	DIO-II	Rev.A2	Supported on Models 350 and 370 only.	5.0	5.5	1.0	1.0	5.5	3.2
98264B	16 Mbyte DIO-II ECC RAM	DIO-II	Rev.A2	Supported on Models 350 and 370 only.	5.0	5.5	1.0	1.0	5.5	3.2
98265A	SCSI daughter Interface	98562-6653x	Rev.C	Supported on Models 330, 350, 360 and 370.	6.0	Via HP-UX	Via HP-UX	Via HP-UX	6.0	3.23

Series 300 Interfaces & Accessories, continued...

Product	Description	Type	Min. Boot ROM	Hardware Support	HP BASIC		Earliest Software Support			
					/WS	/UX	HP-UX/98286	Software/DOS	HP-UX	PAWS
98266A	4 Mbyte daughter RAM	319	Rev.C	Supported on Model 319 only.	5.0	5.5	No	1.0	5.5	3.2
98266B	8 Mbyte daughter RAM	319	Rev.C	Supported on Model 319 only.	5.0	5.5	No	1.0	5.5	3.2
98267A	4 Mbyte daughter RAM	360	Rev.C	Supported on Model 360 only.	5.13	5.5	1.0	1.0	6.2	3.22
98267B	8 Mbyte daughter RAM	360	Rev.C	Supported on Model 360 only.	5.13	5.5	1.0	1.0	6.2	3.22
98267C	12 Mbyte daughter RAM	360	Rev.C	Supported on Model 360 only.	5.13	5.5	1.0	1.0	6.2	3.22
98268A	4 Mbyte daughter RAM	340	Rev.C1	Supported on Model 340 only.	5.13	5.5	1.0	1.0	6.2	3.22
98269A	1 Mbyte daughter RAM	332	Rev.C1	Supported on Models 332 and R/332 only.	5.13	5.5	1.0	1.0	6.5	3.22
98269B	4 Mbyte daughter RAM	332	Rev.C1	Supported on Model 332 and R/332 only.	5.13	5.5	1.0	1.0	6.5	3.22
98270F*	Powerfail upgrade	226/236	NA	Not installable on Series 300	NA	NA	NA	NA	NA	NA
98284A	MC68882 coprocessor	PGA	Rev.C1	Models 332 and R/332 only. Required by HP-UX.	5.13	5.5	1.0	1.0	6.5	3.22
98285A	512-1024 video upgrade	DIO-Sys.	Rev.C1	Models 332 and R/332 only.	5.13	5.5	1.0	1.0	6.5	3.22
98286A	DOS Coprocessor 1.2	DIO-Acc.	ID	All DIO-I/O hosts except 362, R/362, 382, R/382.	NA	NOP	Required	Ignored	5.2	NA
98286D/S	DOS Coprocessor 2.0	DIO-Acc.	ID	All DIO-I/O hosts except 362, R/362, 382, R/382.	NA	NOP	Required	Ignored	6.2	NA
98287A*	98700H* interface	DIO-I/O	Rev.A	All DIO-I/O hosts except Models 340, 362, R/362, 375, 380, 382, R/382.	4.0	5.5	No	No	5.0	3.1
98297A	RTI card	2xDIO-Sys.	NOP	All DIO-II Models	No	Uns.	Uns.	Uns.	7.0	Uns.
28672A	SBX 8-port Mux	SBX	NA	Supported on 98297A only	No	Uns.	Uns.	Uns.	7.0	Uns.
98299A\$	HP-IB daughter Interface	345/375	Rev.D	Models 345, 375 and 380.	5.13	5.5	Via HP-UX	Via HP-UX	7.0	3.23
98299B\$	SCSI daughter Interface	345/375	Rev.D	Models 345, 375 and 380.	6.0	5.5	Via HP-UX	Via HP-UX	7.0	3.23
98542A	512x400x1 bit-mapped	DIO-Sys.	Rev.A	All Models except 318, 319, 340, 345, 362, R/362, 382, R/382. Built-in-only on standard Model 310, 332, R/332 and V/360 Option 542.	4.0	5.5	1.0	No	5.0	3.1
98543A	512x400x4 bit-mapped	DIO-Sys.	Rev.A	All Models except 318, 319, R/332, 340, 345, 362, R/362, 382, R/382. Built-in-only on Model V/360 Option 542.	4.0	5.5	1.0	No	5.0	3.1

Series 300 Interfaces & Accessories, continued...

Product	Description	Type	Min. Boot ROM	Hardware Support	Earliest Software Support					
					HP BASIC /WS	HP BASIC /UX	HP-UX/98286	HP-UX/DOS Software	HP-UX	PAWS
98544A ^o	1024 x 768 x 1 bit-mapped	DIO-Sys.	Rev.A	All Models except 318, 319, R/332, 340, 345, V/360, 362, R/362, 382, R/382.	4.0	5.5	1.0	1.0	5.0	3.1
98544B	1024 x 768 x 1 bit-mapped	DIO-Sys.	Rev.A	All Models except 319, 345, 362, R/362, 382, R/382. Built-in-only on Models 318, [R/332 Option 544, 340M and V/360 Option 544.	4.0	5.5	1.0	1.0	5.0	3.1
98545A ^o	1024 x 768 x 4 bit-mapped	DIO-Sys.	Rev.A	All Models except 318, 319, R/332, 340, 345, V/360, 362, R/362, 382, R/382.	4.0	5.5	1.0	1.0	5.0	3.1
98546A	512 x 390 x 1 compatibility	DIO-pair	Rev.A	All except Models 318, 319, 340, 345, V/360, 362, R/362, 382, R/382.	4.0	No	1.0	Uns.	5.0	3.1
98547A	1024 x 768 x 6 bit-mapped	DIO-Sys.	Rev.A	All Models except 318, 319, R/332, 340, 345, V/360, 362, R/362, 382, R/382.	4.0	5.5	1.0	1.0	5.0	3.1
98548A	1280 x 1024 x 1, MH mono. video	DIO-II	Rev.C ¹⁴	All Models except 310, 318, 319, R/332, V/360, 362, R/362, 382, R/382. Built-in-only on Models 340MH and 345MH.	5.1	5.5 ¹⁵	1.0	1.0	5.5	3.21
98549A	1024 x 768 x 6, C + color video	DIO-II	Rev.C ¹⁴	All Models except Model 310, 318, R/332, 362, R/362, 382, R/382. Built-in-only on Models 319C+, 340C+, 345C+ and V/360 Option 549.	5.1	5.5 ¹⁵	1.0	1.0	5.5	3.21
98550A	1280 x 1024 x 8, CH color video	DIO-II	Rev.C ¹⁴	All Models except 310, 318, 319, R/332, 362, R/362, 382, R/382. Built-in-only on Model 340CH, 345CH and V/360 Option 559.	5.1	5.5 ¹⁵	1.0	1.0	5.5	3.21
98556A	CHX accelerator	98550	NOP	Supported where 98550A is, except Models 320, 345 and V/360.	No	No	NOP	NOP	5.5	No
98561-66511 ^o	310 CPU: 10 MHz 68010/512 Kb/Video	DIO-Sys.	Rev.A	Supported only as Model 310.	4.0	5.5	1.0	Uns.	5.0	3.1
98561-66512 ^o	310 CPU: 10 MHz 68010/1 Mb/Video	DIO-Sys.	Rev.A	Supported only as Model 310.	4.0	5.5	1.0	Uns.	5.0	3.1
98561-66513 ^o	310 CPU: 10 MHz 68010/1 Mb	DIO-Sys.	Rev.A	Supported only as Model 310.	4.0	1.0	5.5	Uns.	5.0	3.1
98561-66519 ^o	320 CPU: 16 MHz 68020/16 Kb cache	DIO-Sys.	Rev.A	Supported only as Model 320	4.0	1.0	1.0	5.5	5.0	3.1
98562-66511 ^o	330 CPU: 16 MHz 68020/4 Mb	DIO-II	Rev.A2	Supported only as Model 330.	5.0	5.5	1.0	1.0	5.2	3.2
98562-66512	318 CPU: 16 MHz 68020/4 Mb	318	Rev.B	Supported only as Model 318.	Uns.	5.5	Uns.	1.0	5.2	Uns.

Series 300 Interfaces & Accessories, continued...

Product	Description	Type	Min. Boot ROM	Hardware Support	Earliest Software Support					
					HP BASIC /WS	HP BASIC /UX	HP-UX/98286	SoftPC®/DOS	HP-UX	PAWS
98562-66516*	350 CPU: 25 MHz 68020/32 Kb cache	DIO-II	Rev.A2	Supported only as Model 350.	5.5	5.0	1.0	1.0	5.2	3.2
98561-66522	320 CPU: 16 MHz 68020/16 Kb cache	DIO-II	Rev.B	Supported only as Model 320.	4.0	5.5	1.0	1.0	5.0	3.1
98561-66524	310 CPU: 10 MHz 68010/512 Kb/Video	DIO-Sys.	Rev.B	Supported only as Model 310.	4.0	5.5	1.0	Uns.	5.0	3.1
98561-66525	310 CPU: 10 MHz 68010/1 Mb/Video	DIO-Sys.	Rev.B	Supported only as Model 310.	4.0	5.5	1.0	Uns.	5.0	3.1
98561-66526	310 CPU: 10 MHz 68010/1 Mb	DIO-Sys.	Rev.B	Supported only as Model 310.	4.0	5.5	1.0	Uns.	5.0	3.1
98562-66513	330 CPU: 16 MHz 68020/4 Mb	DIO-II	Rev.C	Supported only as Model 330.	5.0	5.5	1.0	1.0	5.2	3.2
98562-66517	350 CPU: 25 MHz 68020/32 Kb cache	DIO-II	Rev.C	Supported only as Model 350.	5.0	5.5	1.0	1.0	5.2	3.2
98561-66530.32	320 Human Interface	DIO-I/O	Rev.A	Supported only as Model 320.	4.0	5.5	1.0	1.0	5.0	3.1
98562-66530/33	DIO-II System i/f (ThinLAN)	DIO-II	Rev.A2	Models 330,350,360,370	4.0	5.5	1.0	1.0	5.0	3.2
98562-66534	DIO-II System i/f (AUJ)	DIO-II	Rev.A2	Models 330,350,360,370	4.0	5.5	1.0	1.0	5.0	3.2
98564-66510	319 CPU: 16 MHz 68020/4Mb	319	Rev.C1	Supported only as Model 319	5.11	5.5	NA	1.0	5.5	3.21
98564-66511	319 CPU: 16 MHz 68020/8Mb	319	Rev.C1	Supported only as Model 319	5.11	5.5	NA	1.0	5.5	3.21
98571-66510	340 CPU: 16 MHz 68030/4Mb	340	Rev.C1	Supported only as Model 340	5.13	5.5	2.0	1.0	6.2	3.22
98579-66510	360 CPU: 25 MHz 68030/4 Mb	DIO-II	Rev.C1	Supported only as Model 360	5.13	5.5	1.2	1.0	6.2	3.22
98579-66515	370 CPU: 33 MHz 68030/64 Kb cache	DIO-II	Rev.C1	Supported only as Model 370	5.13	5.5	1.2	1.0	6.2	3.22
98571-66540	Model 340 Internal SCSI i/f	340	Rev.C	Supported only as Model 340	6.0	Via HP-UX	Via HP-UX	Via HP-UX	6.5	3.23
98572-66510	332 SPU, 512x400 mono video	DIO-Sys.	Rev.C1	Supported only as Model 332	5.13	5.5	1.0	1.0	6.5	3.22
98572-66511	332 SPU, no video	DIO-Sys.	Rev.C1	Supported only as Model 332	5.13	5.5	1.0	1.0	6.5	3.22
98572-66512	332 SPU, 1024x768 mono video	DIO-Sys.	Rev.C1	Supported only as Model 332	5.13	5.5	1.0	1.0	6.5	3.22
98574-63510	375 CPU (50 MHz 68030)	375	Rev.D	Supported only on Model 375	5.13	5.5	1.2	1.0	7.0	3.23
98574-63512	375 SPU board (without CPU)	DIO-II	Rev.D	Supported only as Model 375	5.13	5.5	1.2	1.0	7.0	3.23
98578-63510	345 CPU (50 MHz 68030)	345	Rev.D	Supported only on Model 345	5.13	5.5	1.2	1.0	7.0	3.23
98578-63512	345 SPU board (without CPU)	345	Rev.D	Supported only as Model 345	5.13	5.5	1.2	1.0	7.0	3.23
98601A	HP BASIC 2.0 ROM card	DIO-Acc.	Uns.	Will not execute on Series 300. Will not execute on Series 300.	NA	NA	NA	NA	NA	NA
98603A	HP BASIC 4.0 ROM card	DIO-Acc.	Rev.A	Models 310 and 320 only.	"4.0"	NA	NA	NA	NA	NA
98603B	HP BASIC 5.1 ROM card	DIO-Acc.	Rev.A	Models 310, 320, 330 & 350 only.	"5.1"	NA	NA	NA	NA	NA
98620A*	DMA controller	DIO-Acc.	Rev.A	Supported on Model 310 and 320 only.	4.0	No	No	No	No	3.1
98620B	DMA controller	DIO-Acc.	Rev.A	Supported on Model 310 and 320 only.	4.0	5.5	1.0	1.0	5.0	3.1
"98620C"	DMA controller	.	Rev.B	Built-in on all Models except 310 & 320.	5.0	5.5	1.0	1.0	5.0	3.1

Series 300 Interfaces & Accessories, continued...

Product	Description	Type	Min. Boot ROM	Hardware Support	HP BASIC		Earliest Software Support				
					/WS	/UX	HP-UX/98286	DOS	SoftPC®	HP-UX	PAWS
98622A	GPIO Interface	DIO-1/O	ID	All DIO-1/O hosts	4.0	5.5	Uns.	Uns.	1.0	5.0	3.1
98623A	BCD interface	DIO-1/O	ID	All DIO-1/O hosts except 362, R/362, 382, R/382.	4.0	5.5 ⁹	No	No	No	<i>iomap</i>	No
98624A	HP-IB interface	DIO-1/O	Rev.A	All DIO-1/O hosts	4.0	5.5	1.0	1.0	1.0	5.0	3.1
98625A ⁹	High-speed HP-IB interface	DIO-1/O	Rev.A	All DIO-1/O hosts except 362, R/362, 380, 382, R/382.	4.0 ⁴	5.5	1.0	1.0	1.0	5.0	3.1
98625B	High-speed HP-IB interface	DIO-1/O	Rev.A	All DIO-1/O hosts	4.0 ⁴	5.5	1.0	1.0	1.0	5.0	3.1
98626A	RS-232C Serial interface	DIO-1/O	Rev.A	All DIO-1/O hosts	4.0	5.5	1.0	1.0	1.0	5.0	3.1
98627A	Color Video Output interface	DIO-1/O	Rev.A ⁵	Supported on Models 310 and 320. Support on 330 and 350 limited to BASIC/WS and PaWS. Unsupported on all other Models.	4.0	Uns.	No	No	No	5.1	3.1
98628A	Datacomm interface	DIO-1/O	ID ⁵	All DIO-1/O hosts	4.0	5.5	1.0	1.0	1.0	5.0	3.1
98629A ⁶	SRM interface	DIO-1/O	Rev.A	All DIO-1/O hosts except 362, R/362, 380, 382, R/382. See 50962A.	4.0	5.5	Uns.	Uns.	Uns.	5.0	3.1
98630A	Breadboard interface	DIO-1	Uns.	All DIO-1/O hosts	4.0	5.5	Uns.	Uns.	Uns.	<i>iomap</i>	3.1 ¹
98633A	6944A Multiprogrammer i/f	DIO-1/O	ID	All DIO-1/O hosts except 362, R/362, 380, 382, R/382.	4.0	5.5 ¹⁰	Uns.	Uns.	Uns.	<i>iomap</i>	3.1
98635A	Floating Point Math board	DIO-Acc.	ID	Supported on Model 310 and 320 only.	4.0	5.5	Ignored	Ignored	Ignored	5.0-7.05	3.1 ³
98638A	8-port RS-232C/422 Mux i/f	DIO-Sys.	ID	All Models with available DIO-II or DIO-System slot.	No	5.5	1.0	1.3	1.3	6.2	No
98640A	Analog-to-Digital card (ADC)	DIO-1/O	ID	All DIO-1/O hosts except 362, R/362, 382, R/382.	4.0	5.5 ¹⁰	Uns.	Uns.	Uns.	<i>iomap</i>	3.1
98641A	RLE 2780/3780 interface	DIO-1/O	ID	All DIO-1/O hosts	Uns.	Uns.	Uns.	Uns.	Uns.	5.1	No
98642A	4-port RS-232C Mux Interface	DIO-1/O	Rev.A	All DIO-1/O hosts	No	5.5	1.0	1.0	1.0	5.0	No
98643A ⁶	LAN Interface	DIO-1/O	Rev.B	All DIO-1/O hosts	Note ¹⁶	5.5	Via HP-UX	Via HP-UX	Via HP-UX	5.0	3.23 ¹⁶
98644A	RS-232C Serial interface	DIO-1/O	Rev.A	All DIO-1/O hosts	4.0	5.5	1.0	1.0	1.0	5.0	3.1
98645A	VMEbus interface	DIO-1/O	NOP	All DIO-1/O hosts	4.0 ⁸	5.5 ¹⁰	Uns.	Uns.	Uns.	5.1 ⁸	3.1 ⁸
98647A	PC-IB interface	DIO-1/O	NOP	All DIO-1/O hosts except 362, R/362, 380, 382, R/382.	4.0 ⁸	5.5 ¹⁰	Uns.	Uns.	Uns.	<i>iomap</i>	No
98649A	SDLC interface (see 36592A)	DIO-1/O	NOP	All DIO-1/O hosts except 362, R/362, 382, R/382.	No	NOP	Uns.	Uns.	Uns.	5.1	No

Series 300 Interfaces & Accessories, continued...

Product	Description	Type	Min. Boot ROM	Hardware Support	HP BASIC		Earliest Software Support				
					/WS	/UX	HP-UX/98286	Software®	HP-UX	PAWS	
98658A	SCSI interface	DIO-1/O	Rev.C	All DIO-1/O hosts except 310 and 320	6.0	Via HP-UX	Via HP-UX	Via HP-UX	6.5	3.23	
98691A	PDI interface	DIO-1/O	ID	All DIO-1/O hosts	No	5.5 ¹⁰	Uns.	Uns.	No	3.1 ¹	
98695A ^a	IBM 3270 Coax interface	DIO-1/O	ID	All DIO-1/O hosts except 362, R/362, 380, 382, R/382.	No	NOP	Uns.	Uns.	No	Note ⁷	
98702A [§]	Personal VRX LGB interface	DIO-11	Rev.D	Models 360, 370, 375 and 380 only	No	via HP-UX	via HP-UX	via HP-UX	7.03	No	
98724A	98720A SRX interface	DIO-1/O	Rev.A	Supported on Model 320 and [R/]332. Supported on Models 330, 332 (not R/332), 350, 360, 370 and 375. Built-in-only on Models 319SRX, 340SRX and 345SRX.	No	5.5 ¹⁵	2.0	1.0	5.18	No	
98725A	98720A SRX interface	DIO-Sys.	Rev.A	Supported on Models 330, 332 (not R/332), 350, 360, 370 and 375. Built-in-only on Models 319SRX, 340SRX and 345SRX.	No	5.5	2.0	1.0	5.2	No	
98726A	98730A TurboSRX interface	DIO-11	Rev.C	All DIO-11 hosts except 362, 382.	.	No	5.5 ¹⁵	2.0	1.0	6.2	
98727A [§]	Turbo VRX pDMA interface	DIO-11	Rev.D	Models 375 and 380 only	No	via HP-UX	via HP-UX	via HP-UX	7.03	No	
98728A [§]	Turbo VRX vDMA interface	DIO-11	Rev.D	Models 375 and 380 only	No	via HP-UX via HP-UX	via HP-UX via HP-UX	via HP-UX via HP-UX	7.05	No	
9888A ^a	Series 200 Bus Extender	DIO-1/O	Rev.A	All DIO-1/O Models except 332, 340, 362, R/362, 380, 382, R/382. See Series 300 Workstation Configuration Guide for restrictions.	4.0	5.5	1.0	1.0	5.0	3.1	

- Discontinued product listed for reference.
- This is the boot ROM version shipping with current upgrade orders.
- § Component listed for reference and not separately orderable from VRX packages.
- IO Supported only via CONTROL (<sc>.255,...) plus RADIO/WRITEO.
- 1 Requires low-level user I/O programming.
- 2 HP-UX use of the 50961A or 98269A requires 98693A SRM Utilities software.
- 3 HP-UX use of the 98641A requires 98797A RJE Terminal Emulator software.
- 4 Supported only for filesystem I/O with mass-storage devices.
- 5 The 98627A is used for boot ROM messages if it is the *only* display or terminal interface present.
- 6 The 98628A is identified and tested by the boot ROM, but is not used to display messages.
- 7 Existing 98695A owners should order SMS for 98795A to obtain an upgrade to the 50955A software, or order 50955A Opt UPG.
- 8 98646A requires 98358A software (Option determines operating system & media). 98647A requires 98357A software. These packages execute only in HP BASIC/WS 4.0, Pascal 3.1 and 3.2. Basic 5.1, HP-UX 6.0 and later systems include 98646A support software as a standard feature.
- 9 Only one 98625A^a is supported per system. A 98625A^a is not supported in a system which also has any SCSI interface. If a 98625A^a is used in a system having a one or more 98625B^a, the 'A' and 'B' cards must be set to interrupt levels 4 and 3, respectively.
- 10 Supported for simple read-write and user-written drivers only. No login(1) or termio(7) support. Select the 98638A for generic Unix serial applications.
- 11 Requires 1820-4784 or later i8042 keyboard controller.
- 12 46030A Vectra keyboard and 46086A button box accessible by user-written application as raw HP-HIL device only, not as normal keyboard.
- 13 Fully supported by Pascal only on Model 310. Untested on Model 320.
- 14 Revision A2 may be used if the card is configured for DIO-1 address space.
- 15 IFE use requires interface configured to DIO-1 (not DIO-11) address space. X-Windows use unrestricted.
- 16 LANi interface support provided by Network Research Corp.

Software Compatibility

The Boot ROM column shows the earliest boot ROM compatible with the operating system. Unless noted, all later boot ROMs are also compatible.

Subsystem and application compatibility is no longer documented in this matrix. Consult the matrix published by the software integration lab.

Mainframe and Operating System Compatibility

Operating System	Revision Range	Boot ROM	Compatible SPU Models
BASIC/WS, ROM*	4.0	Rev.A	Model 310 and 320
BASIC/WS, ROM*	5.1	Rev.A	Models 310, 320, 330 and 350
BASIC/WS, RAM	4.03	Rev.A	Model 310 and 320
BASIC/WS, RAM	5.11	Rev.A	Model 310, 319, 320, 330 and 350.
BASIC/WS, RAM	5.13	Rev.A	Model 310, 319, 320, 330, 332, R/332, 340, 350, 360 and 370. Model 345 and 375 with restrictions.
BASIC/WS, RAM	6.0	Rev.A	Model 310, 319, 320, 330, 332, R/332, 340, 345, 350, 360, 370, 375.
BASIC/WS, RAM	6.2	Rev.A	All Series 300 SPUs except 318.
BASIC/UX	5.52	NA	Any SPU supported by HP-UX 7.0.
BASIC/UX	6.2	NA	Any SPU supported by HP-UX 8.0.
HPi *	None	NA	HP versions of HPL are inoperative on Series 300.
HP-UX	5.0-6.5	Rev.A	Model 310.
HP-UX	5.0-current	Rev.A	Model 320.
HP-UX	5.2-current	Rev.A	Models 318, 320, 330 and 350.
HP-UX	5.5-current	Rev.A	Models 318, 319, 320, 330 and 350.
HP-UX	6.2-current	Rev.A	Models 318, 319, 320, 330, 340, 350, 360 and 370.
HP-UX	6.5-current	Rev.A	Models 318, 319, 320, 330, 332 [§] , R/332 [§] , 340, 350, 360 and 370.
HP-UX	7.0-current	Rev.A	Models 318, 319, 320, 330, 332, R/332, 340, 345, 350, 360, V/360, 370 and 375.
HP-UX	7.05-current	Rev.B	Models 318, 319, 320, 330, 332, R/332, 340, 345, 350, 360, V/360, 370, 375 and 380.
HP-UX	8.0-current	Rev.B	All [§] Models except 310, 362 and R/362.
Pascal/WS	3.12-current	Rev.A	Model 310 and 320.
Pascal/WS	3.20-current	Rev.A	Models 310, 320, 330 and 350.
Pascal/WS	3.21-current	Rev.A	Models 310, 319, 320, 330 and 350.
Pascal/WS	3.22-current	Rev.A	Models 310, 319, 320, 330, 332, R/332, 340, 350, 360 and 370.
Pascal/WS	3.23-current	Rev.A	Models 310, 319, 320, 330, 332, R/332, 340, 345, 350, 360, 370 and 375.
SRM (as server)	NA	NA	Not supported (as server) on Series 300.
DOS Co-processor <i>SoftPC</i> [®]	1.0-current 3.0-current	NA NA NA	Supported on all Models except 318, 319, 345, V/360, 362, R/362, 382 & R/382. Supported on all Models except 310, 360, 382 and R/382. All Models except 310.

* A version of HPL that supports Series 300 is available from an HP+ independent software vendor.

§ HP-UX on any 68030-based Model requires an MC68882 co-processor (98284A kit or SPU Option 882, 8ZF).



MACBETH QUESTIONS

ACT 1:

1. Macbeth has been a brave soldier in battle, leading his forces to an impressive victory even though they were outnumbered. He is famous as a general. Duncan likes him a lot, which is shown by the way he talks to him (calling him "worthy", "cousin"; Duncan is kind, trusting (perhaps a little too trusting), respectful and generous. Macbeth is indirectly introduced because this stresses his status and also shows what others think of him. He is almost a legendary figure among his colleagues. Banquo is stating that evil forces will often make false predictions. When, by luck, one of these predictions comes true, a gullible or ambitious person will think that all of the predictions made by the evil forces will come true.
5. Macbeth is interested by the predictions made by the witches (they appeal to his sense of ambition) – "Stay, you imperfect speakers, tell me more"; whereas Banquo regards the prophecies warily – "Speak then to me, who neither beg nor fear your favours nor your hate";
6. Obviously, Duncan misjudged his cousin. He was too trusting.
7. Lady Macbeth has the guts and determination to compliment the ambition of her husband. Macbeth himself is more content to let fate run its course until his controlling and daring wife manipulates him.
8. During her conversation with Duncan, Lady Macbeth is extremely gracious and complimentary. She is being very bold and presenting a façade that easily fools Duncan.
9. Duncan's focus on these elements in scene six is a stark contrast to what is actually going on in the minds of his hosts. They are planning the complete opposite. This adds a feeling of tragedy to the scene.
10. Macbeth does not want to murder Duncan for obvious reasons – he has been very generous to not only him, but all his subjects. He has been faultless in carrying out his duties as a king – not the kind of person you would want to kill.
11. Lady Macbeth exploits the sense of weakness that Macbeth has when he makes his shaky decision to abort Duncan's murder. She says that he is not manly, playing to his sense of manliness.

