
HP 9000 Series 700
Configuration Guide
International Version
Volume 1

Effective: May 1994

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Configuration Guide
International Version
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Introduction

This guide replaces the HP Apollo 9000 Series 700 Price and Configuration Guide (November, 1992) and all supplements.

The complete guide consists of two volumes:

Volume 1-Hardware

The Hardware Volume contains the following product sections:

Series 700 Workstations (New and Mature Products),
Series 700 Computational Clusters,
Single Board and Ruggedized Workstations, and
XStations

Each product section contains the following:

- a product line comparison matrix,
- system overviews containing diagrams and product features,
- a worksheet which provides a simple step-by-step process to configure fully operational workstations, and
- a worksheet for field or customer installable add-on products

This volume also contains sections for Upgrades, Peripherals, Additional Information and Support Products.

Volume 2-Software

The software volume begins with general software ordering instructions. Software products have been classified into the following sections:

HP-UX,
Enterprise Desktop,
Software Development Tools,
Distributed Computing,
System and Network Management,
Networking and Communication,
Graphics,
Migration Tools,
HP-RT, and
Support

The Table of Contents in the beginning of this volume will give a detailed listing of the products contained in each section.

An Instant Ignition Configuration Guide has also been included as an appendix to this volume. This guide contains detailed information on ordering Instant Ignition and Preloaded Software products.

This complete guide is available electronically in PowerTools in a print-ready format, ASCII and Lotus 1-2-3 format.

Please fax any comments relating to this guide to Price Guide Comments
Fax Number: 508-436-5101.

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Series 700 Workstation Comparison Matrix - New Products

712/60	712/80	715/64	715/80	715/100	725/75	735/125
---------------	---------------	---------------	---------------	----------------	---------------	----------------

Packaging	Desktop	Desktop	Desktop	Desktop	Desktop	Desktop	Desktop
Clock	60MHz	80MHz	64MHz	80MHz	100MHz	75MHz	125MHz
SPECint92	58.1	84.3	66.6	83.5	100.1	80.3	136
SPECfp92	85.5	122.3	96.5	120.9	137	126.8	201
MIPS	73	92	78	97	122	92	154
MFLOPS	13	30.6	24.3	30.5	37.8	31	57.4
Cache	64KB shared	256KB shared	256KB shared	256KB shared	256KB shared	256KB/256KB	256KB/256KB
RAM	16-128MB	16-128MB	32-256MB	32-256MB	32-256MB	32-256MB	32-400MB

Graphics

Monitor Sizes available

Flat Panel	11.8" Monitor	11.8" Monitor					
Integrated Color (1024x768)	15 & 17" Monitor	17" Monitor					
Integrated Color (1280x1024)	17"&20" Monitor	17"&20" Monitor	17"&20" Monitor	17"&20" Monitor	17"&20" Monitor	20" Monitor	
GRX (Grayscale)						19" Monitor	19" Monitor
CRX							20" Monitor
CRX-24							20" Monitor
CRX-24Z (inc. PowerShade Software)							20" Monitor
CRX-48Z (inc. PowerShade Software)					17"&20" Monitor	20" Monitor	20" Monitor
HCRX-8			17"&20" Monitor	17"&20" Monitor	17"&20" Monitor		
HCRX-24			17"&20" Monitor	17"&20" Monitor	17"&20" Monitor		
HCRX-8Z (inc. PowerShade Sfw.)			17"&20" Monitor	17"&20" Monitor	17"&20" Monitor		
HCRX-24Z (inc. PowerShade Sfw.)			17"&20" Monitor	17"&20" Monitor	17"&20" Monitor		

20" Monitor (19" viewable screen)

Internal Disk Capacity	1GB	1GB	4GB	4GB	4GB	2GB	2GB
Total Disk Capacity	14GB	14GB	84GB	84GB	84GB	294GB	155GB

Removable Media Options

1.44MB Floppy	Int.	Int.	Int.	Int.	Int.	Int.	Int.
600MB CD-ROM	Ext.	Ext.	Int./Ext	Int./Ext	Int./Ext	Int./Ext	Ext.
2.0GB 3.5" DDS Tape	Ext.	Ext.	Int./Ext	Int./Ext	Int./Ext	Int./Ext	Ext.
4-8GB 3.5" DDS tape w/comp	Ext.	Ext.	Int./Ext	Int./Ext	Int./Ext	Int./Ext	Ext.

Int = Internal / Ext = External

Built-In I/O

Single-Ended SCSI-II Interface	1	1	1	1	1	1	1
Fast-Wide SCSI-II Interface							1
RS-232 Ports	1	1	2	2	2	2	2
Centronics Port	1	1	1	1	1	1	1
Keyboard Connect.	Mini-Din	Mini-Din	HIL/Mini-Din	HIL/Mini-Din	HIL/Mini-Din	HIL	HIL
CD-Quality Audio I/O	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IEEE 802.3 Ethernet	Thick or UTP	Thick and UTP	Thick	Thick	Thick	Thick	Thick or Thin
Integrated FDDI							Optional
Expansion Slots	1 General 1 Teleshare	1 General 1 Teleshare	1 EISA*	1 EISA*	1 EISA*	4 EISA*	1 EISA

HP-UX Version	9.0**	9.0**	9.0**	9.0**	9.0**	9.0**	9.0**
Base Configuration (including local kit)	15"Color, 16MB, 260MB Disk	17"Color, 16MB, 260MB Disk	17" Color, 32MB 525MB Disk	17" Color, 32MB 525MB Disk	17" Color, 32MB 525MB Disk	19" G, 32MB, 525MB Disk	19"GRX, 32MB, 525MB Disk

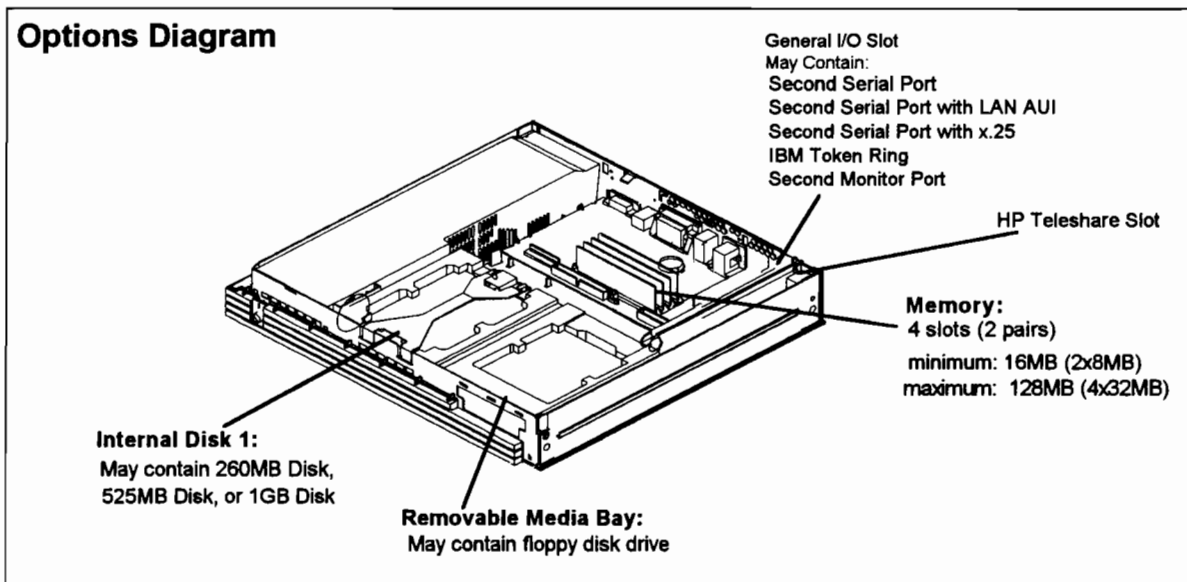
* Optional HCRX graphics prevent use of one EISA slot

** Workstations ship with HP-UX 9.05 (latest version of HP-UX)

Model 712/60 Performance Desktop Workstation

60MHz PA-RISC Processor

SPECint92 = 58.1 ----- SPECfp92 = 85.5



Standard Features

- Operating Environment: latest version of HP-UX 9.0 Run-Time, 2 user license to use/ separate HP Visual User Environment License (1 User)
- IEEE 802.3 Ethernet LAN AUI and LAN UTP connector
- CD-quality Audio input/output (headphone jack only)
- Auto selecting power supply 115V/230V
- Documentation - Owner's Guides, Installation Guide, and General Usage Manuals: HP-UX User's Guide, HP-VUE User's Guide, HP-VUE Quick Start Card

Total RAM Capacity	128MB
Total Disk Capacity	14GB
Number of Slots	1 General 1 Teleshare
Number of standard single-ended SCSI II Buses	1
Internal Storage Constraints	
Maximum number of disks	1
Maximum number of removable media devices	1
Number of Asynchronous RS-232C ports	1
Number of Centronics parallel ports	1

MODEL 712/60 PA-RISC DESKTOP WORKSTATION - Bundle

Factory Integrated Options not available with this configuration

	Product #
1. Bundled Configuration [] 712/60 Bundle, 15" Color Monitor, 16MB RAM, one 260MB Disk	A4010A
2. Required: Workstation Localization Kit (Keyboard, Mouse, Power cord & Doc.) [X] PC-101 Keyboard	A4030A
2.1 Required: Localized Option (See Additional Information Section for a complete list) [] North American Local Option [] Other _____	ABA Opt_____
3. Optional: Ethernet Kit (ThickLAN (AUI) and UTP connector is standard) [] Add-on ThinLAN Ethernet Transceiver	A2670A

MODEL 712/60 PA-RISC DESKTOP WORKSTATION - Standard Configuration

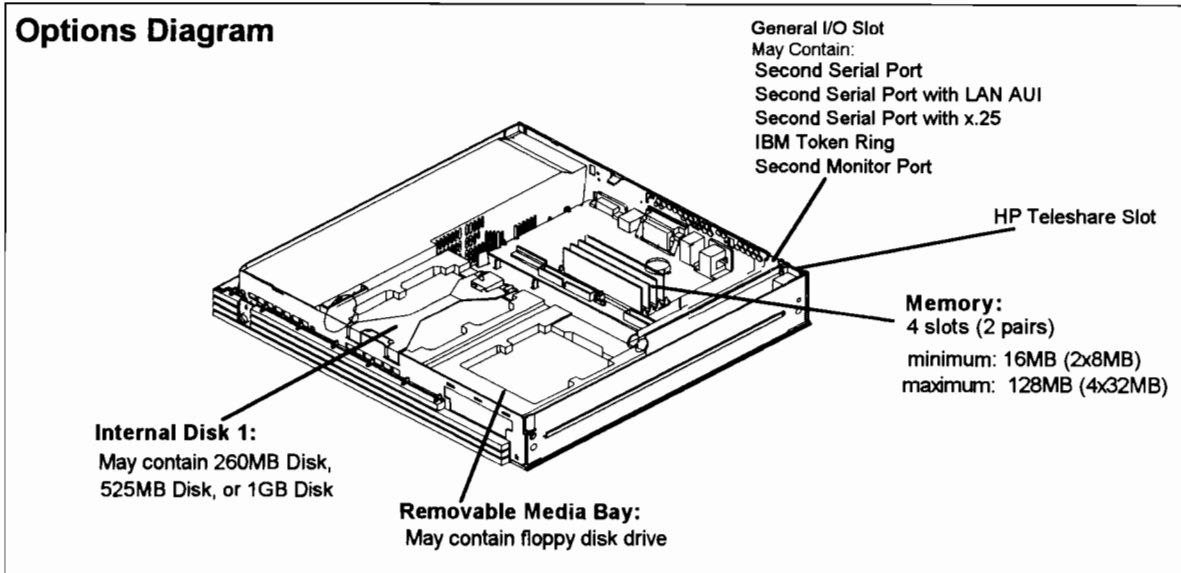
1. Required: Select Base Configuration [] 712/60 SPU	A4023A
1.1 Required: Select ONE Monitor [] 15" Color Monitor (1024x768) [] 17" Color Monitor (1024x768) [] 17" Color Monitor (1280x1024) [] 20" Color Monitor (1280x1024) [] 11.8" Flat Panel Color Display (1024x768)	AQ3 AQ4 AQ5 ADJ AQ2
1.2 Required: Select ONE Memory Configuration [] 16MB Total Memory (two 8MB SIMMs) [] 24MB Total Memory (two 8MB SIMMs and two 4MB SIMMs) [] 32MB Total Memory (four 8MB SIMMs) [] 32MB Total Memory (two 16MB SIMMs) [] 64MB Total Memory (two 32MB SIMMs)	ANB ANF ANC UFS ANE
1.3 Required: Select ONE Internal Disk [] Add 260MB Single-Ended SCSI II Disk Drive [] Add 525MB Single-Ended SCSI II Disk Drive [] Add 1GB Single-Ended SCSI II Disk Drive	ATK AT9 AT7
1.4 Optional: Factory Integrated Removable Media - Select ONE only [] Add 1.4MB Floppy Disk Drive	AMB
1.5 Optional: Networking Options - Select ONE only [] Add second Serial Interface Port [] Add second LAN AUI Port with second Serial Port [] Add X.25 Port with second Serial Port (Software on DDS tape) [] Add HP Token Ring/9000 (Software on DDS tape)	UGA UGB UGC AL4
1.6 Optional: Installation [] Installation	OS4
1.7 Optional: Support Options - Warranty Upgrades - Select ONE Only [] Upgrades warranty to 1-year next-day response [] Upgrades warranty to 1-year 4-hour response [] Upgrades warranty to 1-year next-day response with software phone support [] Upgrades warranty to 1-year 4-hour response with software phone support [] Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response [] Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response with software phone support	OS0 OS1 OS2 OS3 OS5 OS6
2. Required: Workstation Localization Kit (Keyboard, Mouse, Power cord & Doc.) [X] PC-101 Keyboard	A4030A
Required: Localized Option (See additional information section for a complete list) [] North American Local Option [] Other _____	ABA Opt_____
3. Recommended: Ethernet Kit (ThickLAN (AUI) and UTP connector is standard) [] Add-on ThinLAN Ethernet Transceiver	A2670A

To select Instant Ignition and pre-loaded software, refer to the Software Volume of this guide.
TeleShare product located with Add-on Products and Software Volume.

Model 712/80 Performance Desktop Workstation

80MHz PA-RISC Processor

SPECint92 = 84.3 ----- SPECfp92 = 122.3



Standard Features

- Operating Environment: latest version of HP-UX 9.0 Run-Time, 2 user license to use/ separate HP Visual User Environment License (1 User)
- IEEE 802.3 Ethernet LAN AUI and LAN UTP connector
- CD-quality Audio input/output (headphone jack only)
- Auto selecting power supply 115V/230V
- Documentation - Owner's Guides, Installation Guide, and General Usage Manuals: HP-UX User's Guide, HP-VUE User's Guide, HP-VUE Quick Start Card

Total RAM Capacity	128MB
Total Disk Capacity	14GB
Number of Slots	1 General 1 Teleshare
Number of standard single-ended SCSI II Buses	1
Internal Storage Constraints	
Maximum number of disks	1
Maximum number of removable media devices	1
Number of Asynchronous RS-232C ports	1
Number of Centronics parallel ports	1

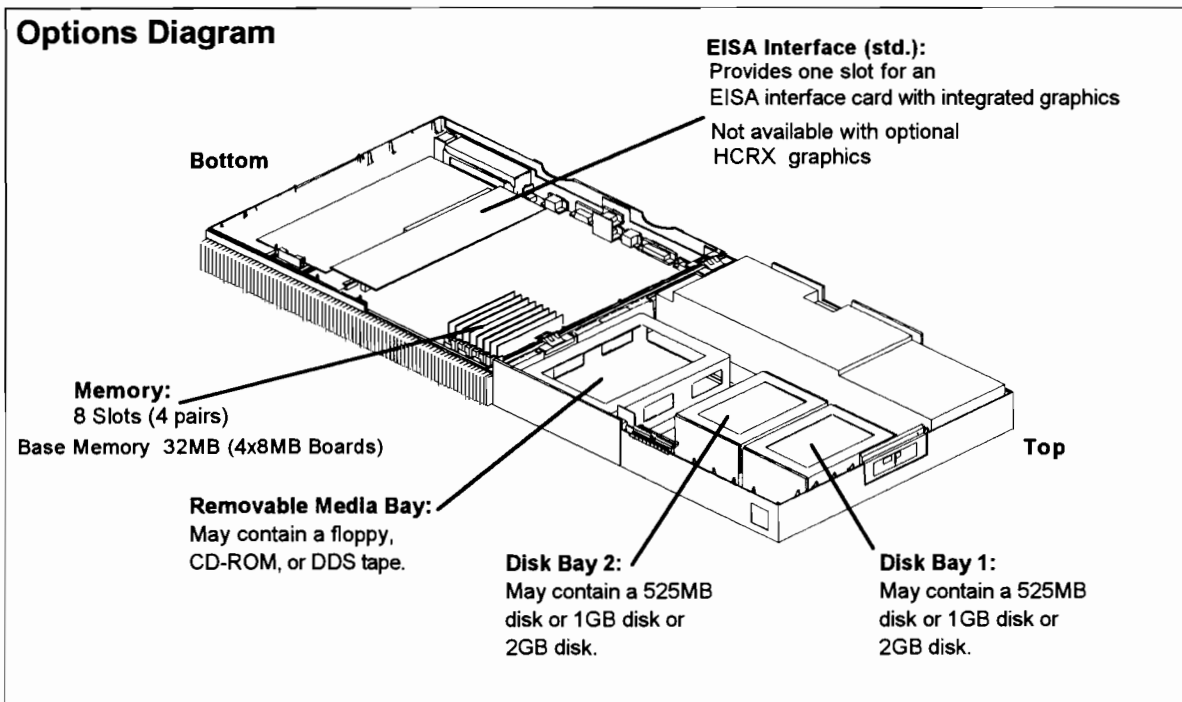
MODEL 712/80 PA-RISC DESKTOP WORKSTATION - Standard Configuration

		Product #
1. Required: Select Base Configuration		
<input type="checkbox"/>	712/80 SPU	A4027A
1.1 Required: Select ONE Monitor		
<input type="checkbox"/>	17" Color Monitor (1024x768)	AQ4
<input type="checkbox"/>	17" Color Monitor (1280x1024)	AQ5
<input type="checkbox"/>	20" Color Monitor (1280x1024)	ADJ
<input type="checkbox"/>	11.8" Flat Panel Color Display (1024x768)	AQ2
1.2 Required: Select ONE Memory Configuration		
<input type="checkbox"/>	16MB Total Memory (two 8MB SIMMs)	ANB
<input type="checkbox"/>	24MB Total Memory (two 8MB SIMMs and two 4MB SIMMs)	ANF
<input type="checkbox"/>	32MB Total Memory (four 8MB SIMMs)	ANC
<input type="checkbox"/>	32MB Total Memory (two 16MB SIMMs)	UFS
<input type="checkbox"/>	64MB Total Memory (two 32MB SIMMs)	ANE
1.3 Required: Select ONE Internal Disk		
<input type="checkbox"/>	Add 260MB Single-Ended SCSI II Disk Drive	ATK
<input type="checkbox"/>	Add 525MB Single-Ended SCSI II Disk Drive	AT9
<input type="checkbox"/>	Add 1GB Single-Ended SCSI II Disk Drive	AT7
1.4 Optional: Factory Integrated Removable Media - Select ONE only		
<input type="checkbox"/>	Add 1.4MB Floppy Disk Drive	AMB
1.5 Optional: Networking Options - Select ONE only		
<input type="checkbox"/>	Add second Serial Interface Port	UGA
<input type="checkbox"/>	Add second LAN AUI Port with second Serial Port	UGB
<input type="checkbox"/>	Add X.25 Port with second Serial Port (Software on DDS tape)	UGC
<input type="checkbox"/>	Add HP Token Ring/9000 (Software on DDS tape)	AL4
1.9 Optional: Installation		
<input type="checkbox"/>	Installation	0S4
1.7 Optional: Support Options - Warranty Upgrades - Select ONE Only		
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response	0S0
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response	0S1
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response with software phone support	0S2
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response with software phone support	0S3
<input type="checkbox"/>	Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response	0S5
<input type="checkbox"/>	Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response with software phone support	0S6
2. Required: Workstation Localization Kit (Keyboard, Mouse, Power cord & Doc.)		
<input checked="" type="checkbox"/>	PC-101 Keyboard	A4030A
2.1 Required: Localized Option (See Additional Information Section for a complete list)		
<input type="checkbox"/>	North American Local Option	ABA
<input type="checkbox"/>	Other _____	Opt_____
3. Recommended: Ethernet Kit (ThickLAN (AUI) and UTP connector is standard)		
<input type="checkbox"/>	Add-on ThinLAN Ethernet Transceiver	A2670A

To select Instant Ignition and pre-loaded software, refer to the Software Volume of this guide. TeleShare product located with Add-on Products and Software Volume.

Model 715/64 Performance Desktop Workstations

64MHz PA-RISC Processor with integrated 64MHz Floating Point Co-Processor
 SPECint92 = 66.6 and SPECfp92 = 96.5



Standard Features

- Operating Environment: Latest version of HP-UX 9.0 Run-Time, 2 user license to use/ separate HP Visual User Environment License (1 User)
- IEEE 802.3 Ethernet LAN interface configured with standard ThickNET AUI connector only (*ThinNet and EtherTwist cabling require external transceivers available as add-on products*)
- CD-quality Audio input/output
- Auto selecting power supply 115V/230V
- Documentation - Owner's Guides, Installation Guide, and General Usage Manuals: (HP-UX User's Guide, HP-VUE User's Guide, HP-VUE Quick Start Card)

Total RAM Capacity	256MB
Total Disk Capacity	84GB
Number of EISA slots	1
Number of EISA slots available with optional HCRX graphics	0
Number of internal SCSI II Buses	1
Internal Storage Constraints	
Maximum number of disks	2
Maximum number of removable media devices	1
Number of Asynchronous RS-232C ports	2
Number of Centronics Parallel Port	1

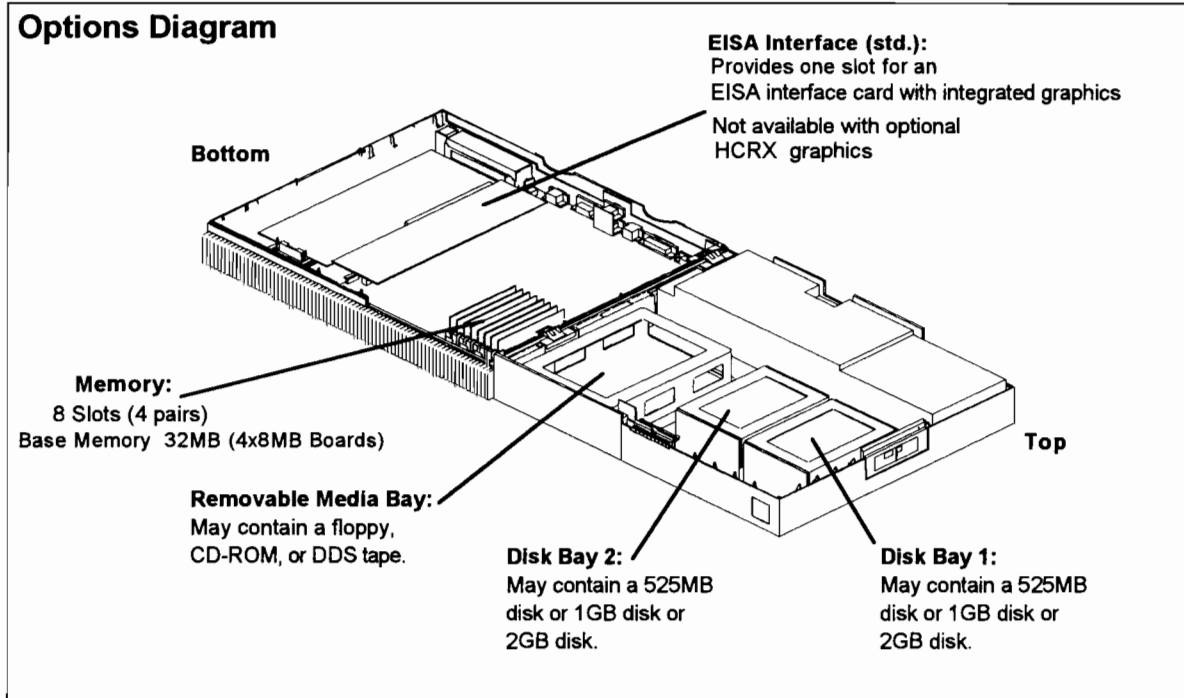
MODEL 715/64 PA-RISC DESKTOP WORKSTATION

	Product #
1. Required: Select Base Configuration <input type="checkbox"/> 715/64 SPU with integrated graphics and 32MB RAM	A4090A
1.1 Required: Select ONE Monitor Option <input type="checkbox"/> 17" Color Monitor (1280x1024) <input type="checkbox"/> 20" Color Monitor (1280x1024)	AQ5 AQ7
1.2 Optional: Additional Factory Integrated Graphics - Select ONE only <input type="checkbox"/> HCRX-8 Accelerated 2D/3D Wireframe, 8/8 bit planes with 8 overlay plane graphics <input type="checkbox"/> HCRX-24 Accelerated 2D/3D Wireframe, 24 bit planes with 8 overlay plane graphics <input type="checkbox"/> HCRX-8Z Accelerated 3D Solids, 8/8 bit planes w/ 8 overlay plane graphics, PowerShade Software <input type="checkbox"/> HCRX-24Z Accelerated 3D Solids, 24 bit planes graphics, PowerShade Software	AQF AQG AQH AQJ
1.3 Optional: Additional Factory Integrated Memory - Select ONE only <input type="checkbox"/> Add 32MB memory, for a total of 64MB (eight 8MB SIMMs) <input type="checkbox"/> Add 32MB memory, for a total of 64MB (two 32MB SIMMs) <input type="checkbox"/> Add 96MB memory, for a total of 128MB (four 32MB SIMMs) <input type="checkbox"/> Add 224MB memory, for a total of 256MB (eight 32MB SIMMs)	ANN UFT ANY UFN
1.4 Required: Select MINIMUM OF ONE Factory Integrated Hard Disk - (Maximum of two internal disks) <input type="checkbox"/> Add 525MB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 1GB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 2GB Single-Ended SCSI II Disk Drive	AT9 AT7 AT6
1.5 Optional: Additional Factory Integrated Removable Media - Select ONE only <input type="checkbox"/> Add 3.5" 1.44MB Floppy Disk Drive <input type="checkbox"/> Add 600MB CD-ROM SCSI II Drive <input type="checkbox"/> Add 2GB DDS SCSI II Tape Drive <input type="checkbox"/> Add 4-8GB DDS SCSI II Tape Drive w/Data Compression	AMB AM8 AMW AMX
1.6 Optional: Installation <input type="checkbox"/> Installation	0S4
1.7 Optional: Support Options - Warranty Upgrades - Select ONE Only <input type="checkbox"/> Upgrades warranty to 1-year next-day response <input type="checkbox"/> Upgrades warranty to 1-year 4-hour response <input type="checkbox"/> Upgrades warranty to 1-year next-day response with software phone support <input type="checkbox"/> Upgrades warranty to 1-year 4-hour response with software phone support <input type="checkbox"/> Upgrades warranty to 1-year 7-day (24-hours a day) 4-hour response <input type="checkbox"/> Upgrades warranty to 1-year 7-day (24-hours a day) 4-hour response with software phone support	0S0 0S1 0S2 0S3 0S5 0S6
2. Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, Power Cord & Documentation) <input type="checkbox"/> PC-101 Keyboard <input type="checkbox"/> HP-HIL Keyboard	A4030A A1099C
2.1 Required: HP-UX Documentation Release (Not necessary with A4030A) <input type="checkbox"/> HP-UX 9.0 Documentation	APH
2.2 Required: Localized Option (See Additional Information Section for Complete List) <input type="checkbox"/> North American Option <input type="checkbox"/> Other _____	ABA Opt _____
3. Recommended: Ethernet Kit (ThickLAN (AU) connector is standard) <input type="checkbox"/> Add-on ThinLAN Ethernet Transceiver <input type="checkbox"/> Add-on EtherTwist Transceiver	A2670A A2671A

To select Instant Ignition and pre-loaded software, refer to the Software Volume of this guide.

Model 715/80 Performance Desktop Workstations

80MHz PA-RISC Processor with integrated 80MHz Floating Point Co-Processor:
SPECint92 = 83.5 and SPECfp92 = 120.9



Standard Features

- Operating Environment: Latest version of HP-UX 9.0 Run-Time, 2 user license to use/ separate HP Visual User Environment License (1 User)
- IEEE 802.3 Ethernet LAN interface configured with standard ThickNET AUI connector only (*ThinNet and EtherTwist cabling require external transceivers available as add-on products*)
- CD-quality Audio input/output
- Auto selecting power supply 115V/230V
- Documentation - Owner's Guides, Installation Guide, and General Usage Manuals: (HP-UX User's Guide, HP-VUE User's Guide, HP-VUE Quick Start Card)

Total RAM Capacity	256MB
Total Disk Capacity	84GB
Number of EISA slots	1
Number of EISA slots available with optional HCRX graphics	0
Number of internal SCSI II buses	1
Internal Storage Constraints	
Maximum number of disks	2
Maximum number of removable media devices	1
Number of Asynchronous RS-232C ports	2
Number of Centronics Parallel ports	1

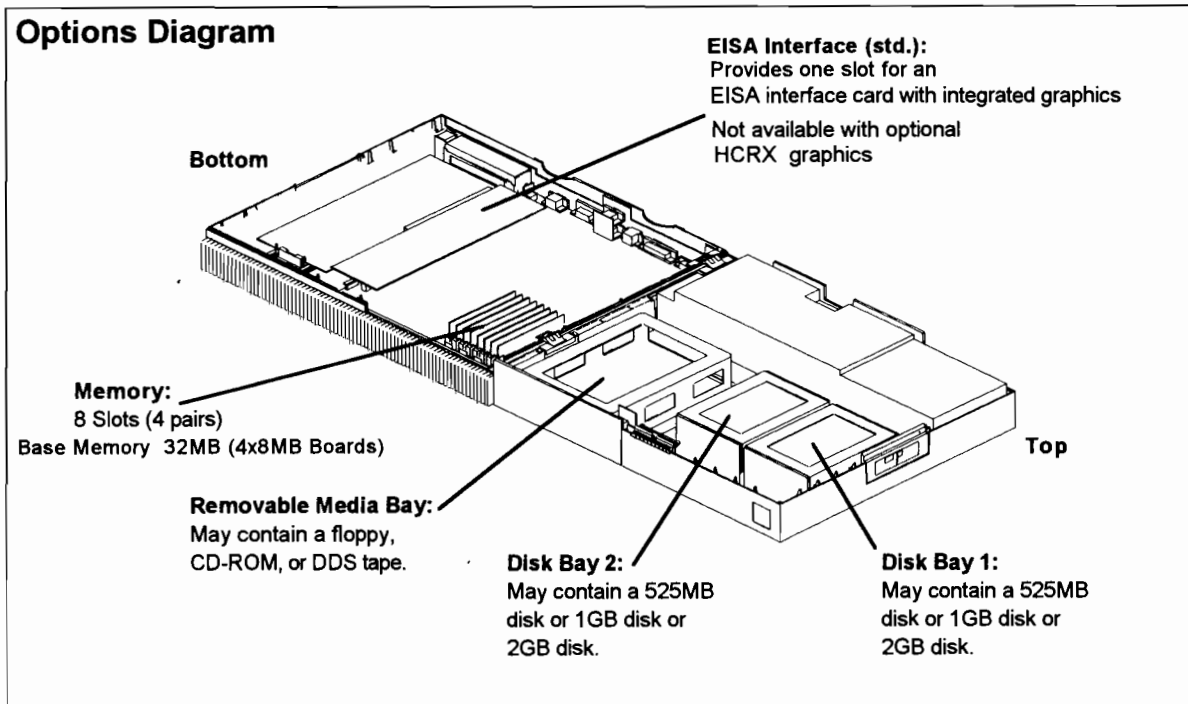
MODEL 715/80 PA-RISC DESKTOP WORKSTATION

		Product #
1. Required: Select Base Configuration		
<input type="checkbox"/>	715/80 SPU with integrated graphics and 32MB RAM	A4093A
1.1 Required: Select ONE Monitor Option		
<input type="checkbox"/>	17" Color Monitor (1280x1024)	AQ5
<input type="checkbox"/>	20" Color Monitor (1280x1024)	AQ7
1.2 Optional: Additional Factory Integrated Graphics - Select ONE only		
<input type="checkbox"/>	HCRX-8 Accelerated 2D/3D Wireframe, 8/8 bit planes with 8 overlay plane graphics	AQF
<input type="checkbox"/>	HCRX-24 Accelerated 2D/3D Wireframe, 24 bit planes with 8 overlay plane graphics	AQG
<input type="checkbox"/>	HCRX-8Z Accelerated 3D Solids, 8/8 bit planes w/ 8 overlay plane graphics, PowerShade Software	AQH
<input type="checkbox"/>	HCRX-24Z Accelerated 3D Solids, 24 bit planes graphics, PowerShade Software	AQJ
1.3 Optional: Additional Factory Integrated Memory - Select ONE only		
<input type="checkbox"/>	Add 32MB memory, for a total of 64MB (eight 8MB SIMMs)	ANN
<input type="checkbox"/>	Add 32MB memory, for a total of 64MB (two 32MB SIMMs)	UFT
<input type="checkbox"/>	Add 96MB memory, for a total of 128MB (four 32MB SIMMs)	ANY
<input type="checkbox"/>	Add 224MB memory, for a total of 256MB (eight 32MB SIMMs)	UFN
1.4 Required: Select MINIMUM OF ONE Factory Integrated Hard Disk - (Maximum of two internal disks)		
<input type="checkbox"/>	Add 525MB Single-Ended SCSI II Disk Drive	AT9
<input type="checkbox"/>	Add 1GB Single-Ended SCSI II Disk Drive	AT7
<input type="checkbox"/>	Add 2GB Single-Ended SCSI II Disk Drive	AT6
1.5 Optional: Additional Factory Integrated Removable Media - Select ONE only		
<input type="checkbox"/>	Add 3.5" 1.44MB Floppy Disk Drive	AMB
<input type="checkbox"/>	Add 600MB CD-ROM SCSI II Drive	AM8
<input type="checkbox"/>	Add 2GB DDS SCSI II Tape Drive	AMW
<input type="checkbox"/>	Add 4-8GB DDS SCSI II Tape Drive	AMX
1.6 Optional: Installations		
<input type="checkbox"/>	Installation	0S4
1.7 Optional: Support Options - Warranty Upgrades - Select ONE Only		
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response	0S0
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response	0S1
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response with software phone support	0S2
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response with software phone support	0S3
<input type="checkbox"/>	Upgrades warranty to 1-year 7-day (24-hours a day) 4-hour response	0S5
<input type="checkbox"/>	Upgrades warranty to 1-year 7-day (24-hours a day) 4-hour response with software phone support	0S6
2. Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, Power Cord & Documentation)		
<input type="checkbox"/>	PC-101 Keyboard	A4030A
<input type="checkbox"/>	HP-HIL Keyboard	A1099C
2.1 Required: HP-UX Documentation Release (Not necessary with A4030A)		
<input type="checkbox"/>	HP-UX 9.0 Documentation	APH
2.2 Required: Localized Option (See Additional Information Section for Complete List)		
<input type="checkbox"/>	North American Option	ABA
<input type="checkbox"/>	Other _____	Opt _____
3. Recommended: Ethernet Kit (ThickLAN (AUI) connector is standard)		
<input type="checkbox"/>	Add-on ThinLAN Ethernet Transceiver	A2670A
<input type="checkbox"/>	Add-on EtherTwist Transceiver	A2671A

To select Instant Ignition and pre-loaded software, refer to the Software Volume of this guide.

Model 715/100 Performance Desktop Workstations

100MHz PA-RISC Processor with integrated 100MHz Floating Point Co-Processor
SPECint92 = 100.1 and SPECfp92 = 137.0



Standard Features

- Operating Environment: Latest version of HP-UX 9.0 Run-Time, 2 user license to use/ separate HP Visual User Environment License (1 User)
- IEEE 802.3 Ethernet LAN interface configured with standard ThickNET AUI connector only (*ThinNet and EtherTwist cabling require external transceivers available as add-on products*)
- CD-quality Audio input/output
- Auto selecting power supply 115V/230V
- Documentation - Owner's Guides, Installation Guide, and General Usage Manuals: (HP-UX User's Guide, HP-VUE User's Guide, HP-VUE Quick Start Card)

Total RAM Capacity	256MB
Total Disk Capacity	84GB
Number of EISA Slots	1
Number of EISA slots available with optional HCRX graphics	0
Number of internal SCSI II buses	1
Internal Storage Constraints	
Maximum number of disks	2
Maximum number of removable media devices	1
Number of Asynchronous RS-232C port	2
Number of Centronics Parallel ports	1

MODEL 715/100 PA-RISC DESKTOP WORKSTATION

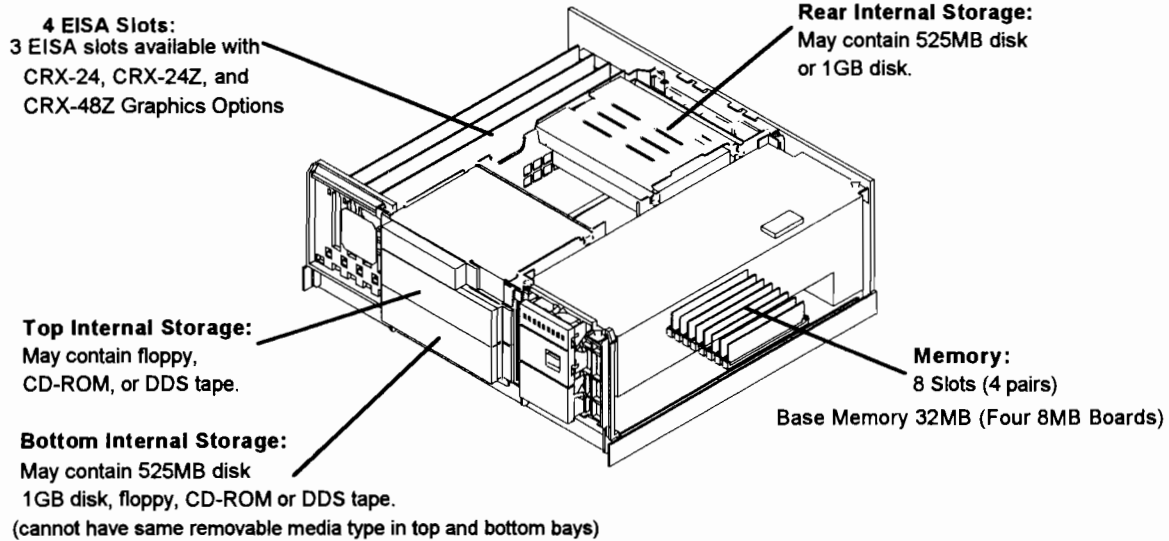
	Product #
1. Required: Select Base Configuration	
<input type="checkbox"/> 715/100 SPU with integrated graphics and 32MB RAM	A4091A
1.1 Required: Select ONE Monitor Option	
<input type="checkbox"/> 17" Color Monitor (1280x1024)	AQ5
<input type="checkbox"/> 20" Color Monitor (1280x1024)	AQ7
1.2 Optional: Additional Factory Integrated Graphics - Select ONE only	
<input type="checkbox"/> HCRX-8 Accelerated 2D/3D Wireframe, 8/8 bit planes with 8 overlay plane graphics	AQF
<input type="checkbox"/> HCRX-24 Accelerated 2D/3D Wireframe, 24 bit planes with 8 overlay plane graphics	AQG
<input type="checkbox"/> HCRX-8Z Accelerated 3D Solids, 8/8 bit planes w/ 8 overlay plane graphics, PowerShade Software	AQH
<input type="checkbox"/> HCRX-24Z Accelerated 3D Solids, 24 bit planes graphics, PowerShade Software	AQJ
<input type="checkbox"/> CRX-48Z Accelerated 3D Solids, 24/24 bit planes graphics, PowerShade Software	AQK
1.3 Optional: Additional Factory Integrated Memory - Select ONE only	
<input type="checkbox"/> Add 32MB memory, for a total of 64MB (eight 8MB SIMMs)	ANN
<input type="checkbox"/> Add 32MB memory, for a total of 64MB (two 32MB SIMMs)	UFT
<input type="checkbox"/> Add 96MB memory, for a total of 128MB (four 32MB SIMMs)	ANY
<input type="checkbox"/> Add 224MB memory, for a total of 256MB (eight 32MB SIMMs)	UFN
1.4 Required: Select MINIMUM OF ONE Factory Integrated Hard Disk - (Maximum of two internal disks)	
<input type="checkbox"/> Add 525MB Single-Ended SCSI II Disk Drive	AT9
<input type="checkbox"/> Add 1GB Single-Ended SCSI II Disk Drive	AT7
<input type="checkbox"/> Add 2GB Single-Ended SCSI II Disk Drive	AT6
1.5 Optional: Additional Factory Integrated Removable Media - Select ONE only	
<input type="checkbox"/> Add 1.4MB Floppy Disk Drive	AMB
<input type="checkbox"/> Add 600MB CD-ROM SCSI II Drive	AM8
<input type="checkbox"/> Add 2GB DDS SCSI II Tape Drive	AMW
<input type="checkbox"/> Add 4-8GB DDS Tape Drive w/Data Compression	AMX
1.6 Optional: Installation	
<input type="checkbox"/> Installation	0S4
1.7 Optional: Support Options - Warranty Upgrades - Select ONE Only	
<input type="checkbox"/> Upgrades warranty to 1-year next-day response	0S0
<input type="checkbox"/> Upgrades warranty to 1-year 4-hour response	0S1
<input type="checkbox"/> Upgrades warranty to 1-year next-day response with software phone support	0S2
<input type="checkbox"/> Upgrades warranty to 1-year 4-hour response with software phone support	0S3
<input type="checkbox"/> Upgrades warranty to 1-year 7-day (24-hours a day) 4-hour response	0S5
<input type="checkbox"/> Upgrades warranty to 1-year 7-day (24-hours a day) 4-hour response with software phone support	0S6
2 Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, Power cord & Documentation)	
<input type="checkbox"/> PC-101 Keyboard	A4030A
<input type="checkbox"/> HP-HIL Keyboard	A1099C
2.1 Required: HP-UX Documentation Release (Not necessary with A4030A)	
<input type="checkbox"/> HP-UX 9.0 Documentation	APH
2.2 Required: Localized Option (See Additional Information Section for Complete List)	
<input type="checkbox"/> North American Local Option	ABA
<input type="checkbox"/> Other _____	Opt _____
3. Recommended: Ethernet Kit (ThickLAN (AUI) connector is standard)	
<input type="checkbox"/> Add-on ThinLAN Ethernet Transceiver	A2670A
<input type="checkbox"/> Add-on EtherTwist Transceiver	A2671A

To select Instant Ignition and pre-loaded software, refer to the Software Volume of this guide.

Model 725/75 Performance Desktop Workstation

75MHz PA-RISC Processor with integrated 75MHz Floating Point Co-Processor
 SPECint92 = 80.3 ----- SPECfp92 = 126.8

Options Diagram



Standard Features

- Operating Environment: latest version of HP-UX 9.0 Run-Time, 2 user license to use/ separate HP Visual User Environment License (1 User)
- IEEE 802.3 Ethernet LAN interface configured with standard ThickNET AUI connector only (*ThinNet and EtherTwist cabling require external transceivers available as add-on products*)
- CD-quality Audio input/output
- Auto selecting power supply 115V/230V
- Documentation - Owner's Guides, Installation Guide, and General Usage Manuals: HP-UX User's Guide, HP-VUE User's Guide, HP-VUE Quick Start Card

Total RAM Capacity	256MB
Total Disk Capacity	294GB
Number of EISA slots	4
Number of EISA slots available with 24 Plane Graphics	3
Number of internal SCSI II buses	1
Number of add-on SCSI II buses (available via EISA slot)	4
Internal Storage Constraints	
Maximum number of disks	2
Maximum number of removable media devices	2
Number of Asynchronous RS-232C ports	2
Number of Centronics parallel ports	1

MODEL 725/75 PA-RISC DESKTOP WORKSTATION

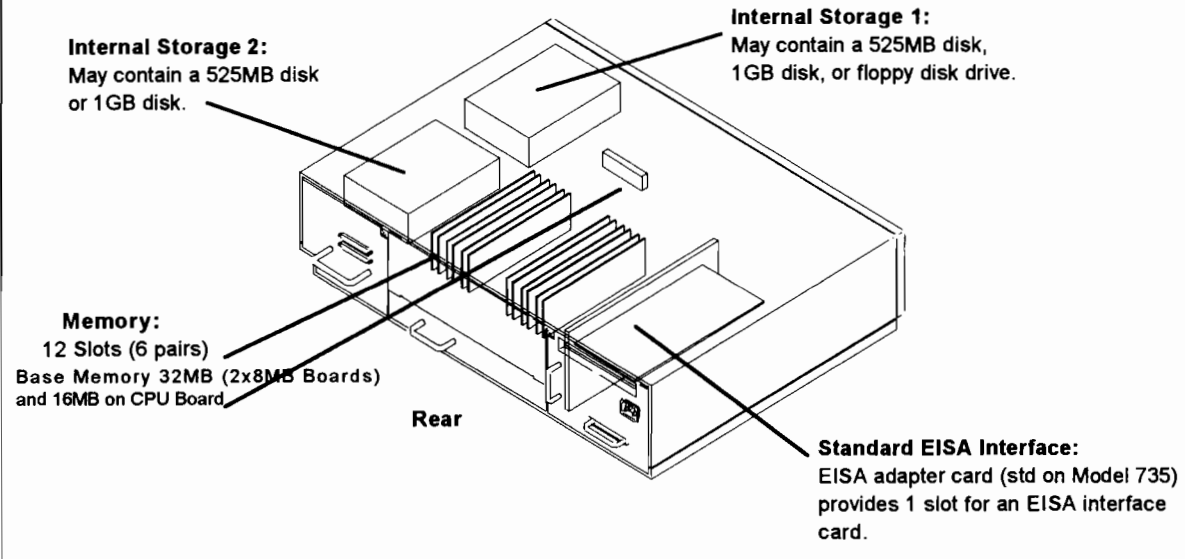
		Product #
1. Required: Select Base Configuration		
<input type="checkbox"/>	725/75 SPU with 32MB RAM	A2897A
1.1 Required: Select ONE Graphics/Monitor Option		
<input type="checkbox"/>	Grayscale, 19" monitor	AQ6
<input type="checkbox"/>	Color, 20" monitor	AQ7
<input type="checkbox"/>	CRX-24 Color, 24-plane CRX graphics, 20" monitor	AQ8
<input type="checkbox"/>	CRX-24Z Color, 24-plane CRX with accelerator and Z-buffer, 20" Monitor, PowerShade Software	AQ9
<input type="checkbox"/>	CRX-48Z Color, 24-plane double buffer CRX with accelerator and Z-Buffer, 20" Monitor, PowerShade	AQA
1.2 Optional: Additional Factory Integrated Memory - Select ONE only		
<input type="checkbox"/>	Add 32MB memory, for a total of 64MB (eight 8MB SIMMs)	ANN
<input type="checkbox"/>	Add 32MB memory, for a total of 64MB (two 32MB SIMMs)	UFT
<input type="checkbox"/>	Add 96MB memory, for a total of 128MB (four 32MB SIMMs)	ANY
<input type="checkbox"/>	Add 224MB memory, for a total of 256MB (eight 32MB SIMMs)	UFN
1.3 Required: Select MINIMUM OF ONE Factory Integrated Disk - (Maximum of two Internal Disks)		
qty <input type="checkbox"/>	Add 525MB Single-Ended SCSI II Disk Drive	AT9
qty <input type="checkbox"/>	Add 1GB Single-Ended SCSI II Disk Drive	AT7
1.4 Optional: Additional Factory Integrated Removable Media - Select ONE only		
<input type="checkbox"/>	Add 1.4MB SCSI II Floppy Disk Drive	AMB
<input type="checkbox"/>	Add 600MB CD-ROM SCSI II Drive	AM8
<input type="checkbox"/>	Add 2GB DDS SCSI II Tape Drive	AMW
<input type="checkbox"/>	Add 4-8GB DDS Tape Drive w/Data Compression	AMX
1.5 Optional: Installation		
<input type="checkbox"/>	Installation	0S4
1.6 Optional: Support Options - Warranty Options - Select ONE ONLY		
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response	0S0
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response	0S1
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response with software phone support	0S2
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response with software phone support	0S3
<input type="checkbox"/>	Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response	0S5
<input type="checkbox"/>	Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response with software phone support	0S6
2. Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, Powercord & Doc.)		
<input type="checkbox"/>	PC Style Keyboard	A2205B
<input type="checkbox"/>	HP-HIL Keyboard	A1099C
2.1 Required: HP-UX Documentation Release		
<input checked="" type="checkbox"/>	HP-UX 9.0 Documentation	APH
2.2 Required: Localized Option (See Additional Information Section for a complete list)		
<input type="checkbox"/>	North American Local Option	ABA
<input type="checkbox"/>	Other _____	Opt_____
3. Recommended: Ethernet Kit (ThickLAN (AUI) connector is standard)		
<input type="checkbox"/>	Add-on ThinLAN Ethernet Transceiver	A2670A
<input type="checkbox"/>	Add-on EtherTwist Transceiver	A2671A

To select Instant Ignition and pre-loaded software, refer to the Software Volume of this guide.

Model 735/125 Performance Desktop Workstation

125MHz PA-RISC Processor with integrated 125MHz Floating Point Co-Processor
 SPECint92 = 136.0 ----- SPECfp92 = 201.0

Options Diagram



Standard Features

- Operating Environment: latest version of HP-UX 9.0 Run-Time, 2 user license to use/ separate HP Visual User Environment License (1 User)
- IEEE 802.3 Ethernet LAN interface configured with either ThinNET or ThickNET
- Optional integrated FDDI (replaces Ethernet)
- CD-quality Audio input/output
- Auto selecting power supply 115V/230V
- Documentation - Owner's Guides, Installation Guide, and General Usage Manuals: HP-UX User's Guide, HP-VUE User's Guide, HP-VUE Quick Start Card

Total RAM Capacity	400MB
Total Disk Capacity	155GB
Number of EISA Slots	1
Number of standard single-ended SCSI II Buses	1
Number of standard fast-wide SCSI II Buses	1
Number of Add-on SCSI II buses (available via EISA slot)	1
Internal Storage Constraints	
Maximum number of disks	2
Maximum number of removable media devices	1
Number of Asynchronous RS-232C ports	2
Number of Centronics parallel ports	1

MODEL 735/125 PA-RISC DESKTOP WORKSTATION

		Product #
1. Required: Select Base Configuration		
<input type="checkbox"/>	735/125 SPU with 32MB RAM	A4053A
1.1 Optional: Select ONE Graphics/Monitor Option		
<input type="checkbox"/>	GRX, 19" monitor	AQC
<input type="checkbox"/>	CRX, 20" monitor	AQD
<input type="checkbox"/>	CRX-24 Color, 24-plane CRX graphics, 20" monitor	AQ8
<input type="checkbox"/>	CRX-24Z Color, 24-plane CRX with accelerator and Z-buffer, 20" Monitor, PowerShade Software	AQ9
<input type="checkbox"/>	CRX-48Z Color, 24-plane double buff. CRX with accelerator and Z-Buffer, 20" Monitor, PowerShade	AQA
<input type="checkbox"/>	Dual CRX Color 2D/3D, dual CRX graphics with two 20" monitors	AQM
1.2 Optional: Additional Factory Integrated Memory - Select ONE only		
<input type="checkbox"/>	Add 16MB memory, for a total of 48MB. (16MB on CPU and two 16MB Boards)	AN8
<input type="checkbox"/>	Add 48MB memory, for a total of 80MB. (16MB on CPU and four 16MB Boards)	AND
<input type="checkbox"/>	Add 112MB memory, for a total of 144MB. (16MB on CPU and eight 16MB Boards)	UFM
<input type="checkbox"/>	Add 176MB memory, for a total of 208MB. (16MB on CPU and twelve 16MB Boards)	UFK
<input type="checkbox"/>	Add 368MB memory, for a total of 400MB. (16MB on CPU and twelve 32MB Boards)	UFL
1.3 Required: Select MINIMUM OF ONE Factory Integrated Hard Disk - (Maximum of TWO devices)		
qty	<input type="checkbox"/> Add 525MB Single-Ended SCSI II Disk Drive	AT9
qty	<input type="checkbox"/> Add 1GB Single-Ended SCSI II Disk Drive	AT7
	<input type="checkbox"/> Add 1GB Fast-Wide SCSI II Disk Drive (may not mix single-ended and fast-wide devices)	AT8
	<input type="checkbox"/> Add Second 1GB Fast-Wide SCSI II Disk Drive (requires concurrent purchase of AT8)	ATM
	<input type="checkbox"/> Add 1.4MB Single-Ended SCSI II Floppy Disk Drive - (Not available w/ AT8)	AMB
1.4 Required: Select ONE Factory Integrated Networking Option		
<input type="checkbox"/>	Install ThinNET configuration	033
<input type="checkbox"/>	Install LAN AUI configuration	008
<input type="checkbox"/>	Install FDDI configuration	009
1.5 Optional: Installation		
<input type="checkbox"/>	Installation	0S4
1.6 Optional: Support Options - Warranty Upgrades - Select ONE Only		
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response	0S0
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response	0S1
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response with software phone support	0S2
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response with software phone support	0S3
<input type="checkbox"/>	Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response	0S5
<input type="checkbox"/>	Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response with software phone support	0S6
2. Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, Powercord & Doc.)		
<input type="checkbox"/>	PC Style Keyboard	A2205B
<input type="checkbox"/>	HP-HIL Keyboard	A1099C
2.1 Required: HP-UX Documentation Release		
<input checked="" type="checkbox"/>	HP-UX 9.0 Documentation	APH
2.2 Required: Localized Option		
<input type="checkbox"/>	North American Local Option	ABA
<input type="checkbox"/>	Other _____	Opt _____



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Series 700 Workstation Comparison Matrix - Mature Products

	715/33	715/50 & 725/50	715/75	735	755
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Packaging	Desktop	Desktop	Desktop	Desktop	Deskside
Clock	33MHz	50MHz	75MHz	99MHz	99MHz
SPECint92	32.5	49.2	80.3	109.1	109.1
SPECfp92	52.4	78.8	126.8	167.9	167.9
MIPS	41	63	92	124	124
MFLOPS	9.5	13	31	45	45
Cache	64KB/64KB	64KB/64KB	256KB/256KB	256KB/256KB	256KB/256KB
RAM	16-192MB	16-256MB	32-256MB	32-400MB	64-768MB

Graphics

Monitor Sizes available

Integrated Color (1024x768)	15 & 17" Monitor				
Integrated Color (1280x1024)	20" Monitor	20" Monitor	20" Monitor		
Integrated Grayscale (1280x1024)	19" Monitor	19" Monitor	19" Monitor		
GRX (Grayscale) (1280x1024)				20" Monitor	
CRX				20" Monitor	20" Monitor
CRX-24	20" Monitor	20" Monitor	20" Monitor	20" Monitor	20" Monitor
CRX-24Z (inc. PowerShade Software)	20" Monitor	20" Monitor	20" Monitor	20" Monitor	20" Monitor
CRX-48Z (inc. Power Shade Software)		20" Monitor	20" Monitor	20" Monitor	20" Monitor

20" Monitor (19" viewable screen)

Internal Disk Capacity	2GB	2GB	2GB	2GB	4GB
Total Disk Capacity	84GB	84GB/294GB	84GB	155GB	380GB

Removable Media Options

1.44MB Floppy	Int.	Int.	Int.	Int.	Int.
600MB CD-ROM	Int./Ext	Int./Ext	Int./Ext	Ext.	Int./Ext
2.0GB 3.5" DDS Tape	Int./Ext	Int./Ext	Int./Ext	Ext.	Int./Ext
4-8GB 3.5" DDS tape w/comp	Int./Ext	Int./Ext	Int./Ext	Ext.	Int./Ext

Built-In I/O

Single-Ended SCSI-II Interface	1	1	1	1	1
Fast-Wide SCSI-II Interface				1	1
RS-232 Ports	2	2	2	2	2
Centronics Port	1	1	1	1	1
Keyboard Connect.	HIL	HIL	HIL	HIL	HIL
CD-Quality Audio I/O	Yes	Yes	Yes	Yes	Yes
IEEE 802.3 Ethernet	Thick	Thick	Thick	Thick or Thin	Thick or Thin
Integrated FDDI				Optional	Optional
Expansion Slots	1 EISA (opt)*	1 EISA/4 EISA*	1 EISA*	1 EISA	4 EISA

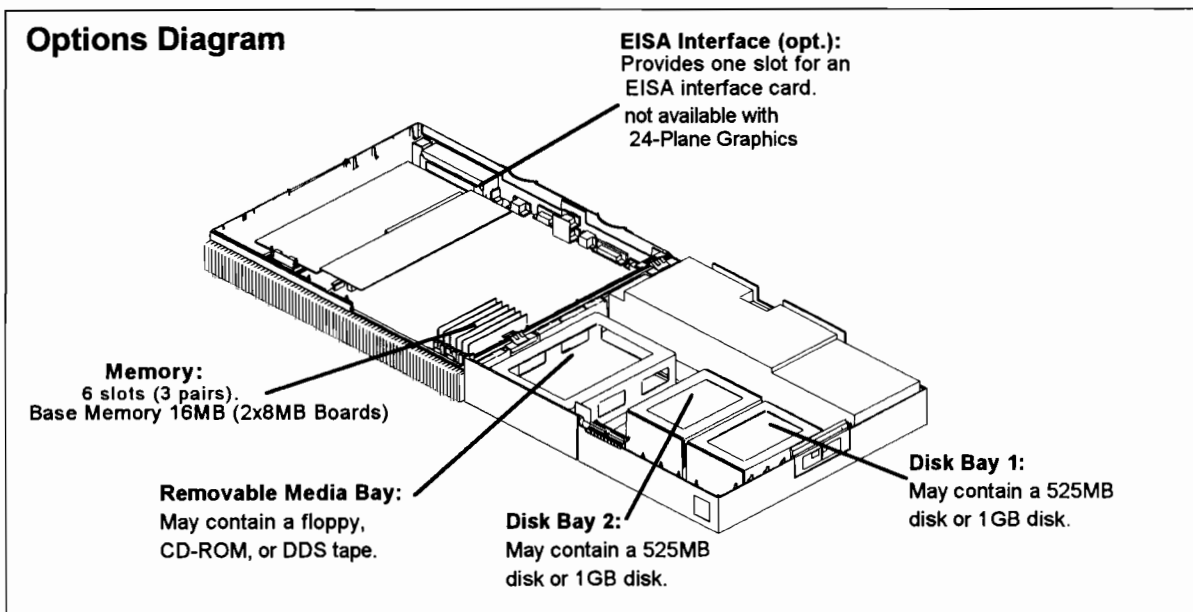
HP-UX Version	9.0**	9.0**	9.0**	9.0**	9.0**
Base Configuration (including local kit)	15" Color, 16MB, Diskless	19" Gray, 16MB/32MB 525MB Disk	19" G, 32MB, 525MB Disk	19"GRX, 32MB, 525MB Disk	20"CRX, 64MB, 2GB Disk

* 24-Plane graphics prevent use of one EISA slot

** Workstations ship with HP-UX 9.05 (latest version of HP-UX)

Model 715/33 Performance Desktop Workstations

33 MHz PA-RISC Performance with Integrated 33MHz Floating Point Co-Processor
 SPECint92 = 32.5 ----- SPECfp92 = 52.4



Standard Features

- Operating Environment: latest version of HP-UX 9.0 Run-Time, 2 user license to use/ separate HP Visual User Environment License (1 User)
- IEEE 802.3 Ethernet LAN interface configured with standard ThickNET AUI connector only (*ThinNet and EtherTwist cabling require external transceivers available as add-on products*)
- CD-quality Audio input/output
- Auto selecting power supply 115V/230V
- Documentation - Owner's Guides, Installation Guide, and General Usage Manuals: HP-UX User's Guide, HP-VUE User's Guide, HP-VUE Quick Start Card

Total RAM Capacity	192MB
Total Disk Capacity	84GB
Number of EISA slots	1 Optional
Number of EISA slots available with 24 Plane Graphics	0
Number of internal SCSI II buses	1
Number of add-on SCSI II buses (available via EISA Upgrade)	1
Internal Storage Constraints	
Maximum number of disks	2
Maximum number of removable media devices	1
Number of Asynchronous RS-232C ports	2
Number of Centronics parallel ports	1

MODEL 715/33 PA-RISC DESKTOP WORKSTATIONS - Quick Ship Bundles

Not available with factory integrated options

		Product #
1. Required: Select ONE Quick-Ship Bundled Configuration		
<input type="checkbox"/>	715/33 Grayscale Bundle, 19" monitor, 16MB RAM, one 525MB Internal Single-Ended SCSI II Disk and HP-UX 9.0 Run-Time Instant Ignition	A2614A
<input type="checkbox"/>	715/33 Color Bundle, 17" monitor, 16MB RAM, one 525MB Internal Single-Ended SCSI II disk, internal 1.4MB Floppy and HP-UX Run-Time Instant Ignition	A2616A
<input type="checkbox"/>	715/33 Color Bundle, 20" monitor, 16MB RAM, one 525MB Internal Single-Ended SCSI II Disk and HP-UX 9.0 Run-Time Instant Ignition	A2617A
<input type="checkbox"/>	715/33 Color Bundle, 20" monitor, 32MB RAM, one 525MB Internal Single-Ended SCSI II Disk and HP-UX 9.0 Run-Time Instant Ignition	A2618A
<input type="checkbox"/>	715/33 Color Bundle, 20" monitor, 32MB RAM, one 1GB Internal Single-Ended SCSI II Disk and HP-UX 9.0 Run-Time Instant Ignition	A2619A
2. Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, Powercord & Doc.)		
<input type="checkbox"/>	PC Style Keyboard	A2205B
<input type="checkbox"/>	HP-HIL Keyboard	A1099C
2.1 Required: HP-UX Documentation Release		
<input checked="" type="checkbox"/>	HP-UX 9.0 Documentation	APH
2.2 Required: Localized Option (See Additional Information Section for a complete list)		
<input type="checkbox"/>	North American Local Option	ABA
<input type="checkbox"/>	Other _____	Opt_____
3. Recommended: Ethernet Kit (ThickLAN (AUI) connector is standard)		
<input type="checkbox"/>	Add-on ThinLAN Ethernet Transceiver	A2670A
<input type="checkbox"/>	Add-on EtherTwist Transceiver	A2671A

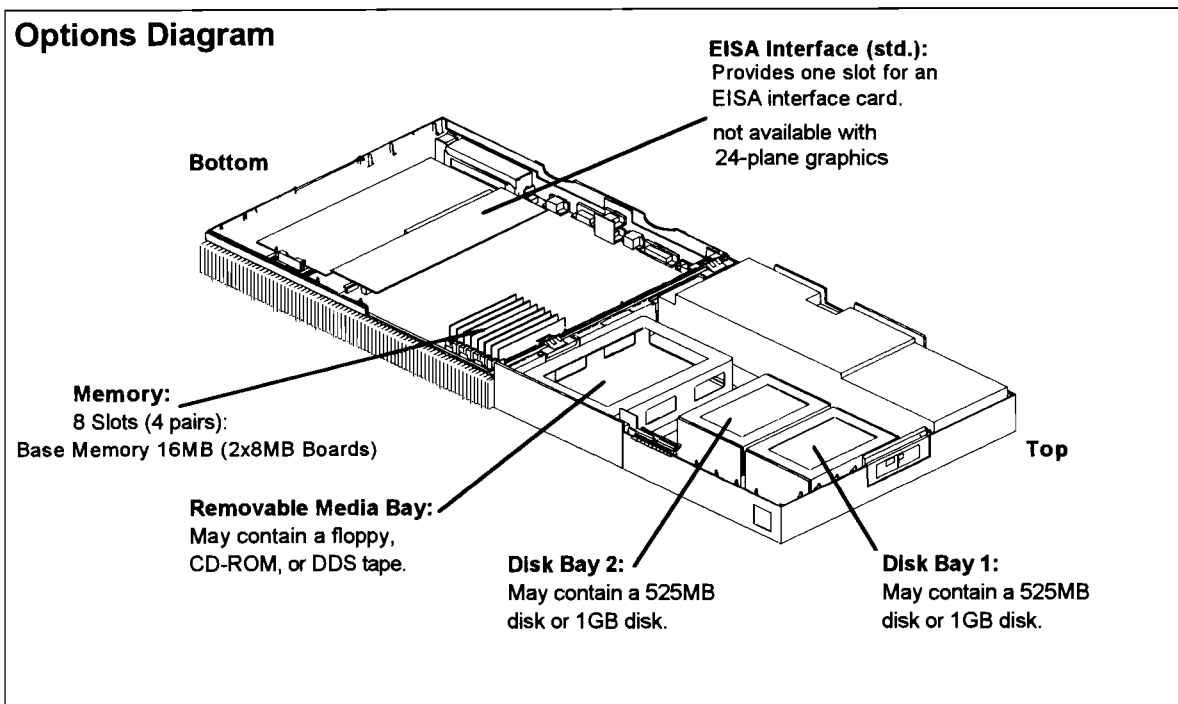
MODEL 715/33 PA-RISC DESKTOP WORKSTATIONS - Standard Configurations

		Product #
1. Required: Select ONE Standard Configuration		
<input type="checkbox"/>	715/33 Grayscale, 19" monitor, 16MB RAM, Diskless	A2610A
<input type="checkbox"/>	715/33 Color, 15" monitor, 16MB RAM, one 525MB Internal Single-Ended SCSI II Disk	A2611A
<input type="checkbox"/>	715/33 Color, 17" monitor, 16MB RAM, Diskless	A2612A
<input type="checkbox"/>	715/33 Color, 20" monitor, 16MB RAM, one 525MB Internal Single-Ended SCSI II Disk	A2613A
<input type="checkbox"/>	715/33 CRX-24 Color 2D/3D graphics, 24-plane graphics, 20" monitor, 16MB RAM, one 525MB Internal Single-Ended SCSI II Disk	A2620A
<input type="checkbox"/>	715/33 CRX-24Z Color 2D/3D, 24-plane CRX Graphics with accelerator and Z-Buffer, 20" monitor, 16MB RAM, one 525MB internal SCSI II Disk, PowerShade Software	A2621A
1.1 Optional: Additional Factory Integrated Memory - Select ONE only		
<input type="checkbox"/>	Add 16MB memory, for a total of 32MB (four 8MB SIMMs)	AN8
<input type="checkbox"/>	Add 32MB memory, for a total of 48MB (six 8MB SIMMs)	ANN
<input type="checkbox"/>	Add 48MB memory, for a total of 64MB (two 32MB SIMMs)	UFP
<input type="checkbox"/>	Add 112MB memory, for a total of 128MB (four 32MB SIMMs)	112
<input type="checkbox"/>	Add 176MB memory, for a total of 192MB (six 32MB SIMMs)	UFK
1.2 Optional: Factory Integrated Disk Options - Select ONE only		
<input type="checkbox"/>	Replace 525MB with a 1GB Single-Ended SCSI II Disk Drive (NOT available for A2610A and A2612A)	013
<input type="checkbox"/>	Delete 525MB Single-Ended SCSI II Disk Drive (A2611A and A2613A ONLY)	014
1.3 Optional: Additional Factory Integrated Disk - maximum of TWO internal disks		
<input type="checkbox"/>	Add 525MB Single-Ended SCSI II Disk Drive	AT9
<input type="checkbox"/>	Add 1GB Single-Ended SCSI II Disk Drive	AT7
1.4 Optional: Additional Factory Integrated Removable Media - Select ONE only		
<input type="checkbox"/>	Add 1.4MB SCSI II Floppy Disk Drive	AMB
<input type="checkbox"/>	Add 600MB CD-ROM SCSI II Drive	AM8
<input type="checkbox"/>	Add 2GB DDS SCSI II Tape Drive	AMW
<input type="checkbox"/>	Add 4-8GB DDS Tape Drive w/Data Compression	AMX
1.5 Optional: Factory Integrated EISA		
<input type="checkbox"/>	Add One EISA Expansion Slot - (NOT available for 24-plane systems A2620A or A2621A)	ALD
1.6 Optional: Installation		
<input type="checkbox"/>	Installation	0S4
1.7 Optional: Support Options - Warranty Upgrades - Select ONE Only		
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response	0S0
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response	0S1
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response with software phone support	0S2
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response with software phone support	0S3
<input type="checkbox"/>	Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response	0S5
<input type="checkbox"/>	Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response with software phone support	0S6
2. Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, Powercord & Doc.)		
<input type="checkbox"/>	PC Style Keyboard	A2205B
<input type="checkbox"/>	HP-HIL Keyboard	A1099C
2.1 Required: HP-UX Documentation Release		
<input checked="" type="checkbox"/>	HP-UX 9.0 Documentation	APH
2.2 Required: Localized Option (See Additional Information Section for a complete list)		
<input type="checkbox"/>	North American Local Option	ABA
<input type="checkbox"/>	Other _____	Opt_____
3. Recommended: Ethernet Kit (ThickLAN (AUI) connector is standard)		
<input type="checkbox"/>	Add-on ThinLAN Ethernet Transceiver	A2670A
<input type="checkbox"/>	Add-on EtherTwist Transceiver	A2671A

To select Instant Ignition and pre-loaded software, refer to the Software Volume of this guide.

Model 715/50 Performance Desktop Workstation

50MHz PA-RISC Processor with integrated 50MHz Floating Point Co-Processor
SPECint92 = 49.2 ----- SPECfp92 = 78.8



Standard Features

- Operating Environment: latest version of HP-UX 9.0 Run-Time, 2 user license to use/ separate HP Visual User Environment License (1 User)
- IEEE 802.3 Ethernet LAN interface configured with standard ThickNET AUI connector only (*ThinNet and EtherTwist cabling require external transceivers available as add-on products*)
- CD-quality Audio input/output
- Auto selecting power supply 115V/230V
- Documentation - Owner's Guides, Installation Guide, and General Usage Manuals: HP-UX User's Guide, HP-VUE User's Guide, HP-VUE Quick Start Card

Total RAM Capacity	256MB
Total Disk Capacity	84GB
Number of EISA slots	1
Number of EISA slots available with 24 Plane Graphics	0
Number of internal SCSI II buses	1
Internal Storage Constraints	
Maximum number of disks	2
Maximum number of removable media devices	1
Number of Asynchronous RS-232C ports	2
Number of Centronics parallel ports	1

MODEL 715/50 PA-RISC DESKTOP WORKSTATIONS - Quick Ship Bundles

Not available with factory integrated options

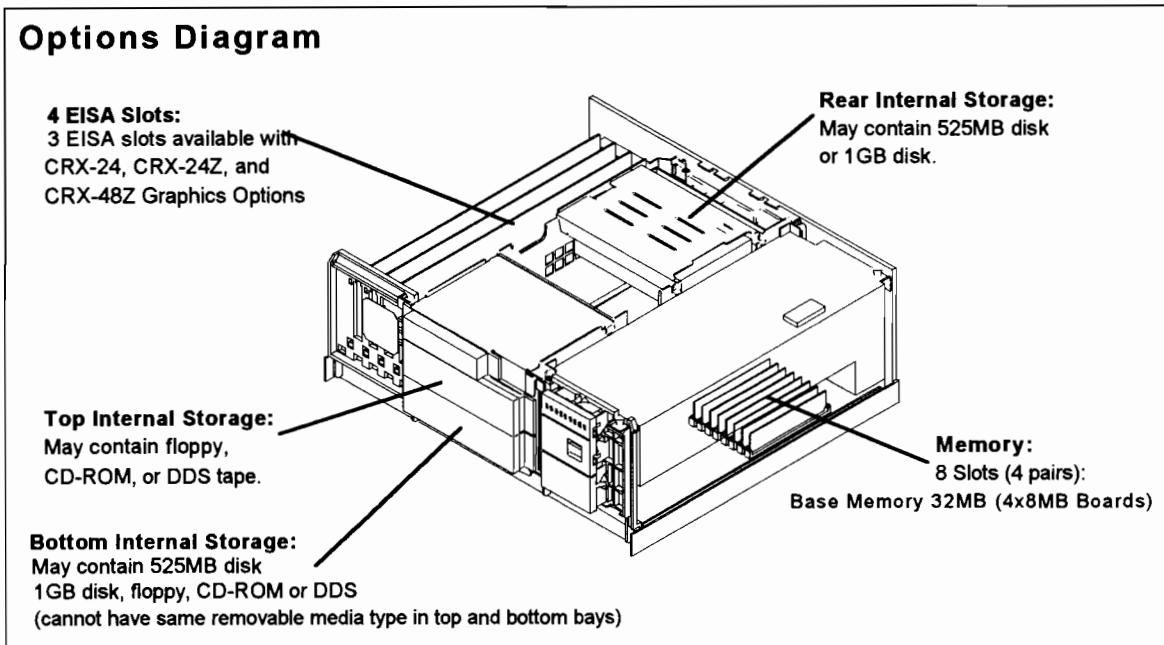
		Product #
1. Required: Select ONE Quick-Ship Bundled Configuration		
<input type="checkbox"/>	715/50 Color Bundle, 20" monitor, 16MB RAM, one 525MB Internal Single-Ended SCSI II Disk and HP-UX 9.0 Run-Time Instant Ignition	A2629A
<input type="checkbox"/>	715/50 Color Bundle, 20" monitor, 32MB RAM, one 525MB Internal Single-Ended SCSI II Disk and HP-UX 9.0 Run-Time Instant Ignition	A2630A
<input type="checkbox"/>	715/50 Color Bundle, 20" monitor, 32MB RAM, one 1GB Internal Single-Ended SCSI II Disk and HP-UX 9.0 Run-Time Instant Ignition	A2631A
<input type="checkbox"/>	715/50 Color Bundle, 20" monitor, 32MB RAM, one 1GB Internal Single-Ended SCSI II Disk, 4mm DDS Tape Drive with Data Compression, and HP-UX 9.0 Run-Time Instant Ignition	A2632A
2. Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, Powercord & Doc.)		
<input type="checkbox"/>	PC Style Keyboard	A2205B
<input type="checkbox"/>	HP-HIL Keyboard	A1099C
2.1 Required: HP-UX Documentation Release		
<input checked="" type="checkbox"/>	HP-UX 9.0 Documentation	APH
2.2 Required: Localized Option (See Additional Information Section for a complete list)		
<input type="checkbox"/>	North American Local Option	ABA
<input type="checkbox"/>	Other _____	Opt_____
3. Recommended: Ethernet Kit (ThickLAN (AUI) connector is standard)		
<input type="checkbox"/>	Add-on ThinLAN Ethernet Transceiver	A2670A
<input type="checkbox"/>	Add-on EtherTwist Transceiver	A2671A

MODEL 715/50 PA-RISC DESKTOP WORKSTATIONS - Standard Configurations

		Product #
1. Required: Select ONE Standard Configuration		
<input type="checkbox"/>	715/50 Grayscale, 19" monitor, 16MB RAM, One 525MB Internal Single-Ended SCSI II Disk	A2625A
<input type="checkbox"/>	715/50 Color, 20" monitor, 16MB RAM, one 525MB Internal Single-Ended SCSI II Disk	A2627A
<input type="checkbox"/>	715/50 CRX-24 Color 2D/3D, 24-plane CRX graphics, 20" monitor, 16MB RAM, one 525MB Internal Single Ended SCSI II disk	A2633A
<input type="checkbox"/>	715/50 CRX-24Z Color 2D/3D, 24-plane CRX graphics with accelerator and Z-buffer, 20" monitor 16MB RAM, one 525MB Internal SCSI II disk, and PowerShade Software	A2634A
<input type="checkbox"/>	715/50 CRX-48Z Color 2D/3D, 24-plane double buffered CRX graphics accelerator and Z-buffer, 20" monitor, 16MB RAM, one 525MB Internal Single-Ended SCSI II Disk, PowerShade	A2635A
1.1 Optional: Additional Factory Integrated Memory - Select ONE only		
<input type="checkbox"/>	Add 16MB memory, for a total of 32MB (four 8MB SIMMs)	AN8
<input type="checkbox"/>	Add 48MB memory, for a total of 64MB (eight 8MB SIMMs)	AND
<input type="checkbox"/>	Add 48MB memory, for a total of 64MB (two 32MB SIMMs)	UFP
<input type="checkbox"/>	Add 112MB memory, for a total of 128MB (four 32MB SIMMs)	112
<input type="checkbox"/>	Add 240MB memory, for a total of 256MB (eight 32MB SIMMs)	UFB
1.2 Optional: Factory Integrated Disk Options		
<input type="checkbox"/>	Replace 525MB with a 1GB Single-Ended SCSI II Disk Drive	013
1.3 Optional: Additional Factory Integrated Disk - Select ONE only		
<input type="checkbox"/>	Add 525MB Single-Ended SCSI II Disk Drive	AT9
<input type="checkbox"/>	Add 1GB Single-Ended SCSI II Disk Drive	AT7
1.4 Optional: Additional Factory Integrated Removable Media - Select ONE only		
<input type="checkbox"/>	Add 1.4MB SCSI II Floppy Disk Drive	AMB
<input type="checkbox"/>	Add 600MB CD-ROM SCSI II Drive	AM8
<input type="checkbox"/>	Add 2GB DDS SCSI II Tape Drive	AMW
<input type="checkbox"/>	Add 4-8GB DDS Tape Drive w/Data Compression	AMX
1.5 Optional: Installation		
<input type="checkbox"/>	Installation	0S4
1.7 Optional: Support Options - Warranty Upgrades - Select ONE Only		
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response	0S0
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response	0S1
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response with software phone support	0S2
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response with software phone support	0S3
<input type="checkbox"/>	Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response	0S5
<input type="checkbox"/>	Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response with software phone support	0S6
2. Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, Powercord & Doc.)		
<input type="checkbox"/>	PC Style Keyboard	A2205B
<input type="checkbox"/>	HP-HIL Keyboard	A1099C
2.1 Required: HP-UX Documentation Release		
<input checked="" type="checkbox"/>	HP-UX 9.0 Documentation	APH
2.2 Required: Localized Option (See Additional Information Section for a complete list)		
<input type="checkbox"/>	North American Local Option	ABA
<input type="checkbox"/>	Other _____	Opt_____
3. Recommended: Ethernet Kit (ThickLAN (AUI) connector is standard)		
<input type="checkbox"/>	Add-on ThinLAN Ethernet Transceiver	A2670A
<input type="checkbox"/>	Add-on EtherTwist Transceiver	A2671A

To select Instant Ignition and pre-loaded software, refer to the Software Volume of this guide.

Model 725/50 Performance Desktop Workstation
 50MHz PA-RISC Processor with integrated 50MHz Floating Point Co-Processor
 SPECint92 = 49.2 ----- SPECfp92 = 78.8



Standard Features

- Operating Environment: latest version of HP-UX 9.0 Run-Time, 2 user license to use/ separate HP Visual User Environment License (1 User)
- IEEE 802.3 Ethernet LAN interface configured with standard ThickNET AUI connector only
(*ThinNet and EtherTwist cabling require external transceivers available as add-on products*)
- CD-quality Audio input/output
- Auto selecting power supply 115V/230V
- Documentation - Owner's Guides, Installation Guide, and General Usage Manuals:
HP-UX User's Guide, HP-VUE User's Guide, HP-VUE Quick Start Card

Total RAM Capacity	256MB
Total Disk Capacity	294GB
Number of EISA slots	4
Number of EISA slots available with 24 Plane Graphics	3
Number of internal SCSI II buses	1
Number of add-on SCSI II buses (available via EISA slots)	4
Internal Storage Constraints	
Maximum number of disks	2
Maximum number of removable media devices	2
Number of Asynchronous RS-232C ports	2
Number of Centronics parallel ports	1

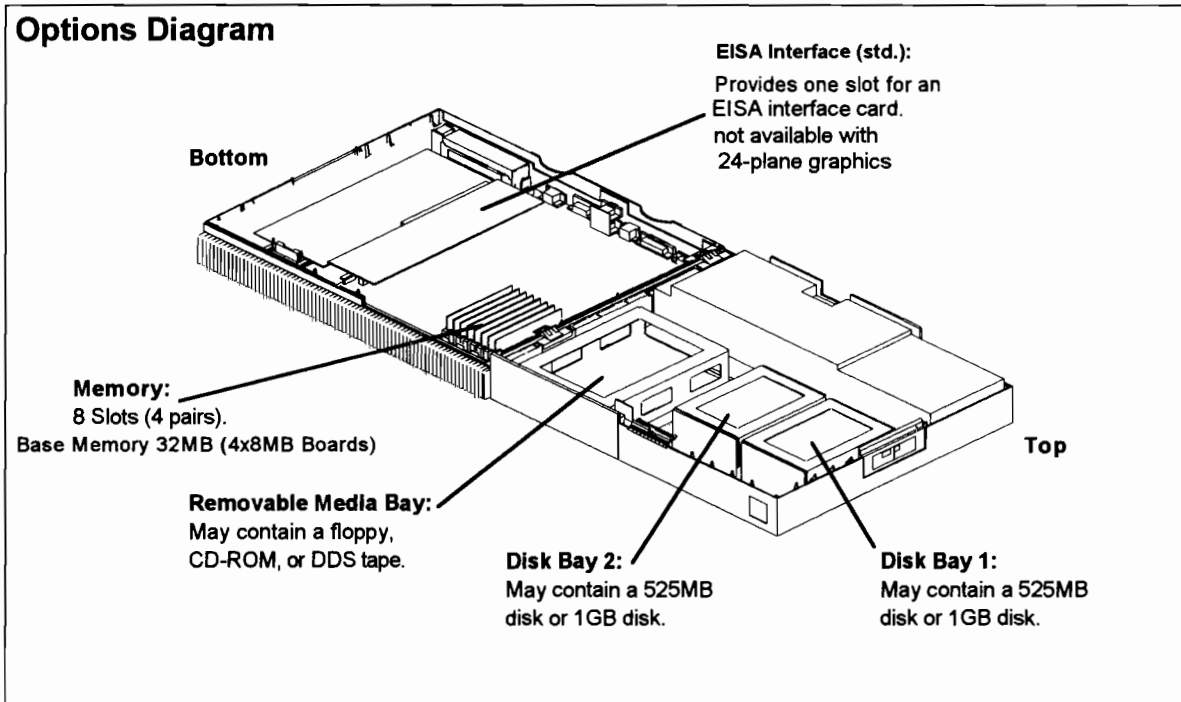
MODEL 725/50 PA-RISC DESKTOP WORKSTATIONS - Standard Configurations

		Product #
1. Required: Select ONE Standard Configuration		
<input type="checkbox"/>	725/50 Grayscale, 19" monitor, 32MB RAM, one 525MB Internal Single-Ended SCSI II disk	A2685A
<input type="checkbox"/>	725/50 Color, 20" monitor, 32MB RAM, one 525MB Internal Single-Ended SCSI II disk	A2689A
<input type="checkbox"/>	725/50 CRX-24 Color 2D/3D, 24-plane CRX graphics, 20" monitor, 32MB RAM, one 1GB Internal Single-Ended SCSI II disk	A2691A
<input type="checkbox"/>	725/50 CRX-24Z Color 2D/3D, 24-plane CRX graphics with accelerator and Z-buffer, 20" monitor, 32MB RAM, one 1GB Internal Single-Ended SCSI II disk, PowerShade Software	A2692A
<input type="checkbox"/>	725/50 CRX-48Z Color 2D/3D, 24-plane double buffered CRX graphics with accelerator and Z-buffer, 20" monitor, 32MB RAM, one 1GB Internal Single-Ended SCSI II disk, PowerShade	A2693A
1.1 Optional: Additional Factory Integrated Memory - Select ONE only		
<input type="checkbox"/>	Add 32MB memory, for a total of 64MB (eight 8MB SIMMs)	ANN
<input type="checkbox"/>	Add 32MB memory, for a total of 64MB (two 32MB SIMMs)	UFT
<input type="checkbox"/>	Add 96MB memory, for a total of 128MB (four 32MB SIMMs)	ANY
<input type="checkbox"/>	Add 224MB memory, for a total of 256MB (eight 32MB SIMMs)	UFN
1.2 Optional: Factory Integrated Disk Options		
<input type="checkbox"/>	Replace 525MB with a 1GB Single-Ended SCSI II Disk Drive	013
1.3 Optional: Additional Factory Integrated Disk - Select ONE only		
<input type="checkbox"/>	Add 525MB Single-Ended SCSI II Disk Drive	AT9
<input type="checkbox"/>	Add 1GB Single-Ended SCSI II Disk Drive	AT7
1.4 Optional: Additional Factory Integrated Removable Media - Select ONE only		
<input type="checkbox"/>	Add 1.4MB SCSI II Floppy Disk Drive	AMB
<input type="checkbox"/>	Add 600MB CD-ROM SCSI II Drive	AM8
<input type="checkbox"/>	Add 2GB DDS SCSI II Tape Drive	AMW
<input type="checkbox"/>	Add 4-8GB DDS Tape Drive w/Data Compression	AMX
1.5 Optional: Installation		
<input type="checkbox"/>	Installation	0S4
1.6 Optional: Support Options - Warranty Upgrades - Select ONE Only		
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response	0S0
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response	0S1
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response with software phone support	0S2
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response with software phone support	0S3
<input type="checkbox"/>	Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response	0S5
<input type="checkbox"/>	Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response with software phone support	0S6
2 Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, Powercord & Doc.)		
<input type="checkbox"/>	PC Style Keyboard	A2205B
<input type="checkbox"/>	HP-HIL Keyboard	A1099C
2.1 Required: HP-UX Documentation Release		
<input checked="" type="checkbox"/>	HP-UX 9.0 Documentation	APH
2.2 Required: Localized Option (See Additional Information Section for a complete list)		
<input type="checkbox"/>	North American Local Option	ABA
<input type="checkbox"/>	Other _____	Opt_____
3. Recommended: Ethernet Kit (ThickLAN (AUI) connector is standard)		
<input type="checkbox"/>	Add-on ThinLAN Ethernet Transceiver	A2670A
<input type="checkbox"/>	Add-on EtherTwist Transceiver	A2671A

To select Instant Ignition and pre-loaded software, refer to the Software Volume of this guide.

Model 715/75 Performance Desktop Workstation

75MHz PA-RISC Processor with integrated 75MHz Floating Point Co-Processor
 SPECint92 = 80.3 ----- SPECfp92 = 126.8



Standard Features

- Operating Environment: latest version of HP-UX 9.0 Run-Time, 2 user license to use/ separate HP Visual User Environment License (1 User)
- IEEE 802.3 Ethernet LAN interface configured with standard ThickNET AUI connector only (*ThinNet and EtherTwist cabling require external transceivers available as add-on products*)
- CD-quality Audio input/output
- Auto selecting power supply 115V/230V
- Documentation - Owner's Guides, Installation Guide, and General Usage Manuals: HP-UX User's Guide, HP-VUE User's Guide, HP-VUE Quick Start Card

Total RAM Capacity	256MB
Total Disk Capacity	84GB
Number of EISA slots	1
Number of EISA slots available with 24 Plane Graphics	0
Number of internal SCSI II buses	1
Number of add-on SCSI II buses (available via EISA slot)	1
Internal Storage Constraints	
Maximum number of disks	2
Maximum number of removable media devices	1
Number of Asynchronous RS-232C ports	2
Number of Centronics parallel ports	1

MODEL 715/75 PA-RISC DESKTOP WORKSTATION

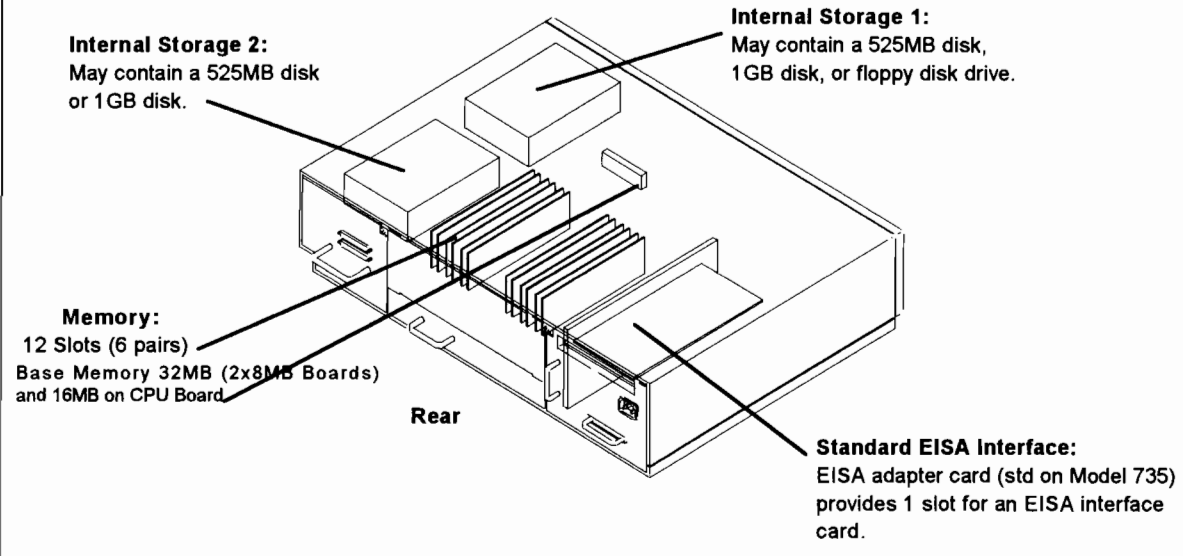
		Product #
1. Required: Select Base Configuration		
<input type="checkbox"/>	715/75 SPU with 32MB RAM	A2896A
1.1 Required: Select ONE Graphics/Monitor Option		
<input type="checkbox"/>	Grayscale, 19" monitor	AQ6
<input type="checkbox"/>	Color, 20" monitor	AQ7
<input type="checkbox"/>	CRX-24 Color, 24-plane CRX graphics, 20" monitor	AQ8
<input type="checkbox"/>	CRX-24Z Color, 24-plane CRX graphics with accelerator and Z-buffer, 20" Monitor, PowerShade Software	AQ9
<input type="checkbox"/>	CRX-48Z Color, 24-plane double buffer CRX with accelerator and Z-Buffer, 20" Monitor, PowerShade	AQA
1.2 Optional: Additional Factory Integrated Memory - Select ONE only		
<input type="checkbox"/>	Add 32MB memory, for a total of 64MB (eight 8MB SIMMs)	ANN
<input type="checkbox"/>	Add 32MB memory, for a total of 64MB (two 32MB SIMMs)	UFT
<input type="checkbox"/>	Add 96MB memory, for a total of 128MB (four 32MB SIMMs)	ANY
<input type="checkbox"/>	Add 224MB memory, for a total of 256MB (eight 32MB SIMMs)	UFN
1.3 Required: Select ONE Factory Integrated Disk - (Maximum of TWO Internal Disks)		
qty <input type="checkbox"/>	Add 525MB Single-Ended SCSI II Disk Drive	AT9
qty <input type="checkbox"/>	Add 1GB Single-Ended SCSI II Disk Drive	AT7
1.4 Optional: Additional Factory Integrated Removable Media - Select ONE only		
<input type="checkbox"/>	Add 1.4MB SCSI II Floppy Disk Drive	AMB
<input type="checkbox"/>	Add 600MB CD-ROM SCSI II Drive	AM8
<input type="checkbox"/>	Add 2GB DDS SCSI II Tape Drive	AMW
<input type="checkbox"/>	Add 4-8GB DDS Tape Drive w/Data Compression	AMX
1.5 Optional: Installation		
<input type="checkbox"/>	Installation	0S4
1.6 Optional: Support Options - Warranty Upgrades - Select ONE Only		
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response	0S0
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response	0S1
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response with software phone support	0S2
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response with software phone support	0S3
<input type="checkbox"/>	Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response	0S5
<input type="checkbox"/>	Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response with software phone support	0S6
2. Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, Powercord & Doc.)		
<input type="checkbox"/>	PC Style Keyboard	A2205B
<input type="checkbox"/>	HP-HIL Keyboard	A1099C
2.1 Required: HP-UX Documentation Release		
<input checked="" type="checkbox"/>	HP-UX 9.0 Documentation	APH
2.2 Required: Localized Option (See Additional Information Section for a complete list)		
<input type="checkbox"/>	North American Local Option	ABA
<input type="checkbox"/>	Other _____	Opt_____
3. Recommended: Ethernet Kit (ThickLAN (AUI) connector is standard)		
<input type="checkbox"/>	Add-on ThinLAN Ethernet Transceiver	A2670A
<input type="checkbox"/>	Add-on EtherTwist Transceiver	A2671A

To select Instant Ignition and pre-loaded software, refer to the Software Volume of this guide.

Model 735 Performance Desktop Workstation

99MHz PA-RISC Processor with integrated 99MHz Floating Point Co-Processor
 SPECint92 = 109.1 ----- SPECfp92 = 167.9

Options Diagram



Standard Features

- Operating Environment: latest version of HP-UX 9.0 Run-Time, 2 user license to use/ separate HP Visual User Environment License (1 User)
- IEEE 802.3 Ethernet LAN interface configured with either ThinNET or ThickNET
- Optional integrated FDDI (replaces Ethernet)
- CD-quality Audio input/output
- Auto selecting power supply 115V/230V
- Documentation - Owner's Guides, Installation Guide, and General Usage Manuals: HP-UX User's Guide, HP-VUE User's Guide, HP-VUE Quick Start Card

Total RAM Capacity	400MB
Total Disk Capacity	155GB
Number of EISA slots	1
Number of standard single-ended SCSI II buses	1
Number of standard fast-wide SCSI II buses	1
Number of add-on SCSI II buses (available via EISA slot)	1
Internal Storage Constraints	
Maximum number of disks	2
Maximum number of removable media devices	1
Number of Asynchronous RS-232C ports	2
Number of Centronics parallel ports	1

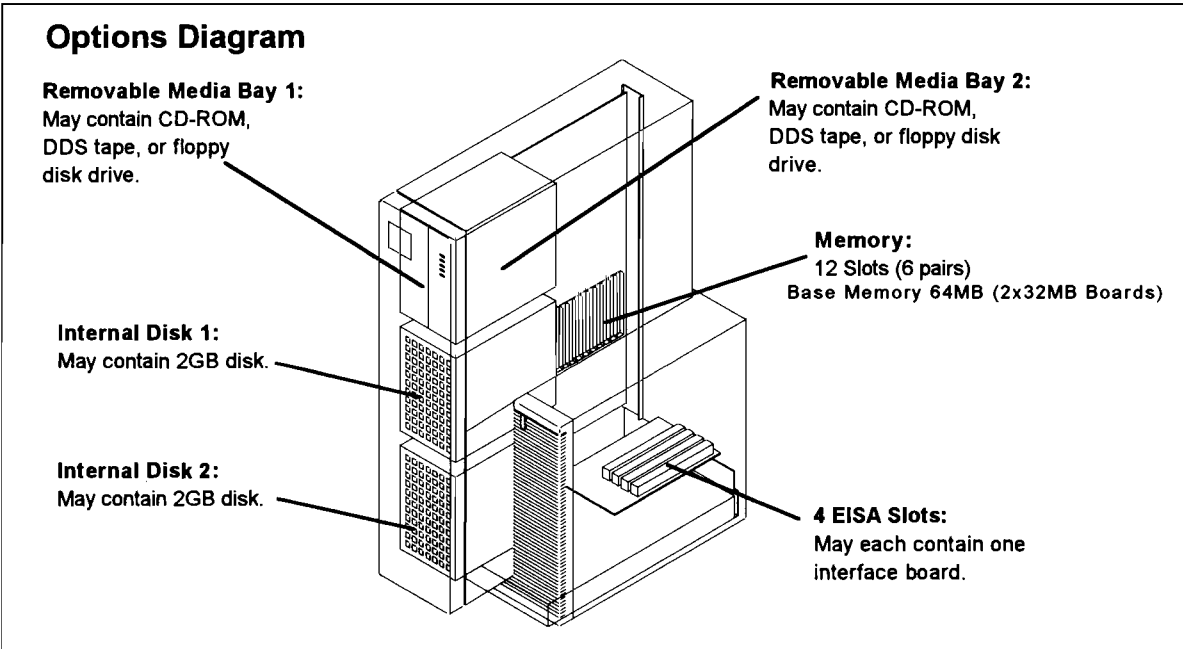
MODEL 735 PA-RISC DESKTOP WORKSTATIONS - Standard Configurations

		Product #
1. Required: Select ONE Standard Configuration		
<input type="checkbox"/>	735 GRX Grayscale, 19" monitor, 32MB RAM, one 525MB Internal Single-Ended SCSI II disk	A2600A
<input type="checkbox"/>	735 GRX Grayscale, 19" monitor, 32MB RAM, one 1GB Internal Single-Ended SCSI II disk	A2659A
<input type="checkbox"/>	735 CRX Color 2D/3D, 20" monitor, 32MB RAM, one 525MB Internal Single-Ended SCSI II disk	A2601A
<input type="checkbox"/>	735 CRX Color 2D/3D, 20" monitor, 32MB RAM, one 1GB Internal Single-Ended SCSI II disk	A2608A
<input type="checkbox"/>	735 CRX-24 Color 2D/3D, 24-plane CRX graphics, 20" monitor, 32MB RAM, one 1GB Internal Single-Ended SCSI II Disk	A2602A
<input type="checkbox"/>	735 CRX-24Z Color 2D/3D, 24-plane CRX graphics with accelerator and Z-buffer, 20" monitor, 32MB RAM, one 1GB Single-Ended SCSI II Disk, PowerShade Software	A2603A
<input type="checkbox"/>	735 CRX-48Z Color 2D/3D, 24-plane double buffered CRX graphics with accelerator and Z-buffer, 20" monitor, 32MB RAM, one 1GB Internal Single-Ended SCSI II Disk, PowerShade	A2609A
<input type="checkbox"/>	735 Dual CRX Color graphics, two 20" monitors, 32MB RAM, one 1GB Internal Single-Ended Disk	A2607A
1.1 Required: Select ONE Factory Integrated Networking Options		
<input type="checkbox"/>	Install ThinNET configuration	033
<input type="checkbox"/>	Install LAN AUI configuration	008
<input type="checkbox"/>	Install FDDI configuration	009
1.2 Optional: Additional Factory Integrated Memory - Select ONE only		
<input type="checkbox"/>	Add 16MB memory, for a total of 48MB (16MB on CPU and two 16MB Boards)	AN8
<input type="checkbox"/>	Add 48MB memory, for a total of 80MB (16MB on CPU and four 16MB Boards)	AND
<input type="checkbox"/>	Add 112MB memory, for a total of 144MB (16MB on CPU and eight 16MB Boards)	UFM
<input type="checkbox"/>	Add 176MB memory, for a total of 208MB (16MB on CPU and twelve 16MB Boards)	UFK
<input type="checkbox"/>	Add 368MB memory, for a total of 400MB (16MB on CPU and twelve 32MB Boards)	UFL
1.3 Optional: Factory Integrated Disk Options		
<input type="checkbox"/>	Replace 1GB Single-Ended Internal Disk with 1GB Fast-Wide Internal Disk May NOT mix Single-Ended Internal Disks or Removable Media with Fast-Wide Internal Disks	010
1.4 Optional: Additional Factory Integrated Disk or Removable Media Device - Select ONE only		
<input type="checkbox"/>	Add 1GB Single-Ended SCSI II Disk Drive - NOT available with 010	AT7
<input type="checkbox"/>	Add Second Fast-Wide 1GB Internal SCSI II Disk Drive - REQUIRES option 010	AT8
<input type="checkbox"/>	Add 1.4MB SCSI II Floppy Disk Drive - NOT available with 010	AMB
1.5 Optional: Other Options		
<input type="checkbox"/>	Delete monitor & graphics (A2608A ONLY)	007
1.6 Optional: Installation		
<input type="checkbox"/>	Installation	0S4
1.7 Optional: Support Options - Warranty Upgrades - Select ONE Only		
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response	0S0
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response	0S1
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response with software phone support	0S2
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response with software phone support	0S3
<input type="checkbox"/>	Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response	0S5
<input type="checkbox"/>	Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response with software phone support	0S6
2. Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, Powercord & Doc.)		
<input type="checkbox"/>	PC Style Keyboard	A2205B
<input type="checkbox"/>	HP-HIL Keyboard	A1099C
2.1 Required: HP-UX Documentation Release		
<input checked="" type="checkbox"/>	HP-UX 9.0 Documentation	APH
2.2 Required: Localized Option (See Additional Information Section for a complete list)		
<input type="checkbox"/>	North American Local Option	ABA
<input type="checkbox"/>	Other _____	Opt_____

To select Instant Ignition and pre-loaded software, refer to the Software Volume of this guide.

Model 755 Performance Deskside Workstation

99MHz PA-RISC Processor with integrated 99MHz Floating Point Co-Processor
 SPECint92 = 109.1 ----- SPECfp92 = 167.9



Standard Features

- Operating Environment: latest version of HP-UX 9.0 Run-Time, 2 user license to use/ separate HP Visual User Environment License (1 User)
- IEEE 802.3 Ethernet LAN interface configured with standard ThinNET
- Optional integrated FDDI
- CD-quality Audio input/output
- Auto selecting power supply 115V/230V
- Documentation - Owner's Guides, Installation Guide, and General Usage Manuals: HP-UX User's Guide, HP-VUE User's Guide, HP-VUE Quick Start Card

Total RAM Capacity	768MB
Total Disk Capacity	380GB
Number of EISA slots	4
Number of standard single-ended SCSI II Buses	1
Number of standard fast-wide SCSI II Buses	1
Number of add-on SCSI II buses (available via EISA slot)	4
Internal Storage Constraints	
Maximum number of full height hard disks	2
Maximum number of half height removable media devices <i>or one full-height removable media device</i>	2
Number of Asynchronous RS-232C ports	2
Number of Centronics parallel ports	1

MODEL 755 PA-RISC DESKSIDE WORKSTATIONS - Standard Configurations

		Product #
1. Required: Select ONE Standard Configuration		
<input type="checkbox"/>	755 CRX Color 2D/3D, 20"monitor, 64MB RAM, one 2GB Internal Single-Ended SCSI II Disk	A2551A
<input type="checkbox"/>	755 CRX-24 Color 2D/3D, 24-plane CRX graphics, 20"monitor, 64MB RAM, one 2GB Internal Single-Ended SCSI II Disk	A2552A
<input type="checkbox"/>	755 CRX-24Z Color 2D/3D, 24-plane CRX graphics with accelerator and Z-buffer, 20"monitor, 64MB RAM, one 2GB Internal Single-Ended SCSI II Disk, and PowerShade Software	A2553A
<input type="checkbox"/>	755 CRX-48Z Color 2D/3D, 24-plane double buffered CRX graphics accelerator and Z-buffer 20"monitor, 64MB RAM, one 2GB Internal Single-Ended SCSI II Disk, PowerShade Software	A2650A
<input type="checkbox"/>	755 Dual CRX Color 2D/3D, Dual CRX graphics, two 20"monitors, 64MB RAM, one 2GB Internal Single-Ended SCSI II Disk	A2652A
1.1 Optional: Additional Factory Integrated Memory - Select ONE only		
<input type="checkbox"/>	Add 64MB memory, for a total of 128MB (four 32MB boards)	ANQ
<input type="checkbox"/>	Add 192MB memory, for a total of 256MB (eight 32MB boards)	ANW
<input type="checkbox"/>	Add 320MB memory, for a total of 384MB (twelve 32MB boards)	ANX
<input type="checkbox"/>	Add 448MB memory, for a total of 512MB (eight 64MB boards)	UFD
<input type="checkbox"/>	Add 704MB memory, for a total of 768MB (twelve 64MB boards)	UFE
1.2 Optional: Factory Integrated Disk Options		
<input type="checkbox"/>	Replace 2GB Single-Ended Internal Disk with 2GB Fast-Wide May NOT mix Single-Ended Internal Disks or Removable Media with Fast-Wide Internal Disks	011
1.3 Optional: Additional Factory Integrated Disk - Select ONE only		
<input type="checkbox"/>	Add Second 2GB Single-Ended SCSI II Internal Disk - NOT available with #011	AT6
<input type="checkbox"/>	Add Second 2GB Fast-Wide SCSI II Internal Disk - REQUIRES option #011	ATA
1.4 Optional: Factory Integrated Removable Media		
<input type="checkbox"/>	Add 600MB CD-ROM SCSI II Drive	AM8
1.5 Optional: Additional Factory Integrated Removable Media - Select ONE only		
<input type="checkbox"/>	Add 4-8GB DDS Tape Drive w/Data Compression	AMX
<input type="checkbox"/>	Add 1.4MB Floppy Disk Drive	AMB
1.6 Optional: Factory Integrated EISA Options - Select MAXIMUM OF FOUR		
Qty. <input type="checkbox"/>	Add EISA SCSI II Host Adapter	ALE
Qty. <input type="checkbox"/>	Add EISA HP-IB Host Adapter	ALF
Qty. <input type="checkbox"/>	Add EISA LAN/9000	ALG
1.7 Optional: Factory Integrated Networking Options - Select ONE only		
<input type="checkbox"/>	Install LAN AUI configuration (overrides default ThinNET)	AL9
<input type="checkbox"/>	Add FDDI Configuration	009
1.8 Optional: Other Options		
<input type="checkbox"/>	Delete monitor & graphics (A2551A ONLY)	007
1.9 Optional: Installation		
<input type="checkbox"/>	Installation	0S4
1.95 Optional: Support Options - Warranty Upgrades - Select ONE Only		
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response	0S0
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response	0S1
<input type="checkbox"/>	Upgrades warranty to 1-year next-day response with software phone support	0S2
<input type="checkbox"/>	Upgrades warranty to 1-year 4-hour response with software phone support	0S3
<input type="checkbox"/>	Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response	0S5
<input type="checkbox"/>	Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response with software phone support	0S6
2. Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, Powercord & Doc.)		
<input type="checkbox"/>	PC Style Keyboard	A2205B
<input type="checkbox"/>	HP-HIL Keyboard	A1099C
2.1 Required: HP-UX Documentation Release		
<input checked="" type="checkbox"/>	HP-UX 9.0 Documentation	APH
2.2 Required: Localized Option (See Additional Information Section for a complete list)		
<input type="checkbox"/>	North American Local Option	ABA
<input type="checkbox"/>	Other _____	Opt_____

To select Instant Ignition and pre-loaded software, refer to the Software Volume of this guide.

Customer Name _____

Add-on Products (Field or Customer Installable)

	712/60 Qty 712/80	715 Qty 64/80/100	715 Qty 33, 50 & 75	725 Qty 50 & 75	735 & Qty 735/125	755 Qty 755
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Ethernet Kits

Add-on ThinLAN Ethernet transceiver.	A2670A	A2670A	A2670A	A2670A		
Add-on EtherTwist transceiver.		A2671A	A2671A	A2671A		

Memory

Add 8MB memory (two 4MB SIMMs).	A2577A	A2577A	A2815A	A2815A		
Add 16MB memory (two 8MB SIMMs).	A2578A	A2578A	A2816A	A2816A		
Add 32MB memory (two 16MB boards)					A2512A	
Add 32MB memory (two 16MB SIMMs)	A2829A	A2829A	A2829A	A2829A		
Add 64MB memory (two 32MB boards).						A2513A
Add 64MB memory (two 32MB SIMMs/boards).	A2827A	A2827A	A2827A	A2827A	A2646A	
Add 128MB memory (two 64MB boards).						A2518A

Internal Storage

Add 260MB Single-Ended SCSI II disk.	A4065A					
Add 525MB Single-Ended SCSI II disk.	A4066A	A2800A	A2800A	A2809A	A2565A	
Add 1GB Single-Ended SCSI II disk.	A4067A	A2801A	A2801A	A2813A	A2563A	
Add 1GB Fast-Wide SCSI II disk.					A2566A	
Add 2GB Single-Ended SCSI II disk.		A4118A				
Add 2GB Single-Ended SCSI II disk.						A2556A
Add 2GB Fast-Wide SCSI II disk.						A2564A
Add 1.4MB SCSI II floppy disk drive.			A2802A	A2814A	A1984A	A1968A
Add 1.4MB floppy disk drive.	A4068A	A4180A				
Add 600MB 5.25" CD-ROM drive.		A2803A	A2803A	A2817A		A1985A
Add 2GB DDS tape drive.		A2274A	A2274A	A2274A		A2274A
Upgrade kit (mounting bracket)		AHV	AHV	AHW		AHS
Add 4-8GB (with compression) DDS tape drive.		A2275A	A2275A	A2275A		A2275A
Upgrade kit (mounting bracket)		AHV	AHV	AHW		AHS

EISA Expansion Slot. (715/33 w/o 24-plane graphics)			A2804A			
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Graphics

PowerShade for HP-UX 9.0	B2156C	B2156C	B2156C	B2156C	B2156C	B2156C
Provides software on DDS 94mm DAT tape.	AAH	AAH	AAH	AAH	AAH	AAH
CD-ROM Certificate only.	AAU	AAU	AAU	AAU	AAU	AAU

New Model 712 Options

HP-Token Ring/9000	A4011A					
Provides software on DDS (4mm DAT) tape.	AAH					
Second Serial Port	A4013A					
Second LAN AUI and Second Serial Port	A4014A					
X.25 Port with Second Serial Port	A4015A					
Provides software on DDS (4mm DAT) tape.	AAH					
Second Monitor Port	A2878A					
Teleshare U.S. Version	A4012AA					
Provides software on DDS (4mm DAT) tape.	AAH					
CD-ROM Certificate only	AAU					

Customer Name _____

Add-on Products (Field or Customer Installable) - Continued

	Qty	712/60 712/80	Qty	715 64/80/100	Qty	715 33, 50 & 75	Qty	725 50 & 75	Qty	735 & 735/125	Qty	755
EISA Interface												
EISA FAST Differential SCSI II Host Adaptor.				25525B		25525B		25525B		25525B		25525B
EISA Single-Ended SCSI II Host Adaptor.				A2679A		A2679A		A2679A		A2679A		A2679A
EISA HP-IB Host Adaptor.				25560A		25560A		25560A		25560A		25560A
EISA LAN/9000-IEEE 802.3				25567B		25567B		25567B		25567B		25567B
Add Thick MAU tap and 6 meter cable.				740		740		740		740		740
Add EtherTwist MAU and 1 meter cable.				840		840		840		840		840
EISA X.25 Link.				J2159A		J2159A		J2159A		J2159A		J2159A
Provides software on DDS (4mm DAT) tape.				UJC		UJC		UJC		UJC		UJC
Add RS232 cable.				1AT		1AT		1AT		1AT		1AT
Add V.35 cable.				1AU		1AU		1AU		1AU		1AU
Delete software right-to-use & documentation.				1AW		1AW		1AW		1AW		1AW
EISA 802.5 (IBM) Token Ring network.				J2165A		J2165A		J2165A		J2165A		J2165A
HP-UX Version 9.0				APH		APH		APH		APH		APH
Apollo Token Ring Adaptor.				A2544A		A2544A		A2544A		A2544A		A2544A
HP-UX Version 9.0				APH		APH		APH		APH		APH
Provides software on DDS (4mm DAT) tape.				AAH		AAH		AAH		AAH		AAH
CD-ROM Certificate.				AAU		AAU		AAU		AAU		AAU
ISDN BRI ISA/EISA Adaptor.				J2460A		J2460A		J2460A		J2460A		J2460A
Provides software on DDS (4mm DAT) tape.				AAH		AAH		AAH		AAH		AAH
CD-ROM Certificate.				AAU		AAU		AAU		AAU		AAU

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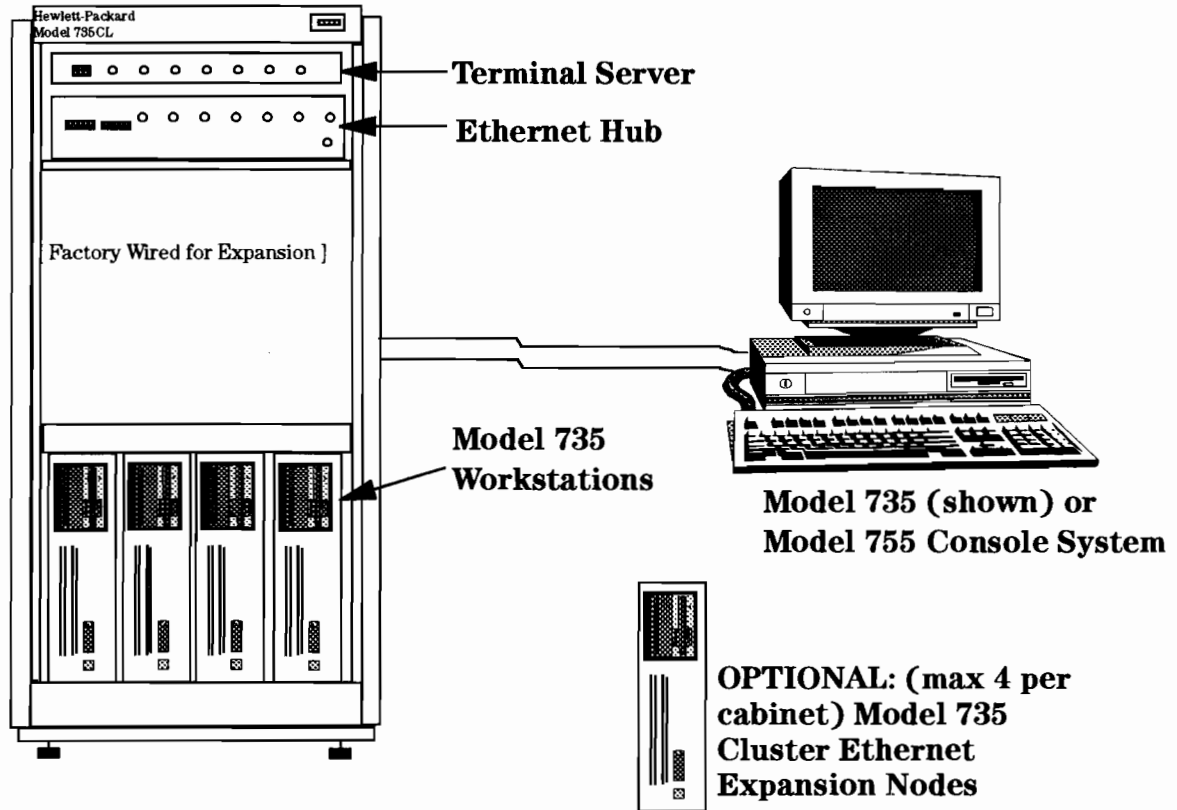
Model 735CL Compute Cluster Comparison Matrix

	4-node Ethernet Cluster	8-node Ethernet Cluster	4-node FDDI Cluster	8-node FDDI Cluster
Number of Nodes	4	8	4	8
Processor	PA-7100	PA-7100	PA-7100	PA-7100
Clock Rate	99MHz	99MHz	99MHz	99MHz
SPECfp92	167.9	167.9	167.9	167.9
SPECint92	109.1	109.1	109.1	109.1
MFLOPS	45.4	45.4	45.4	45.4
Memory per node	80 - 400MB	80 - 400MB	80 - 400MB	80 - 400MB
Internal Disk Storage per node	2GB(max)	2GB(max)	2GB(max)	2GB(max)
Network Interconnect	802.3 ThinNet LAN (standard)	802.3 ThinNet LAN (standard)	FDDI/9000 (standard)	FDDI/9000 (standard)
Concentrator	HP ThinLAN Hub Plus 9-port, BNC	HP ThinLAN Hub Plus 9-port, BNC	Interphase FDDI 10-port	Interphase FDDI 10-port
Interconnect Transfer Rate (peak)	10MB/sec	10MB/sec	100MB/sec	100MB/sec
Terminal Server	Chase Research 10 LAN Rack, 8-port	Chase Research 10 LAN Rack, 8-port	Chase Research 10 LAN Rack, 8-port	Chase Research 10 LAN Rack, 8-port
19" 1.6m cabinet	yes	yes	yes	yes

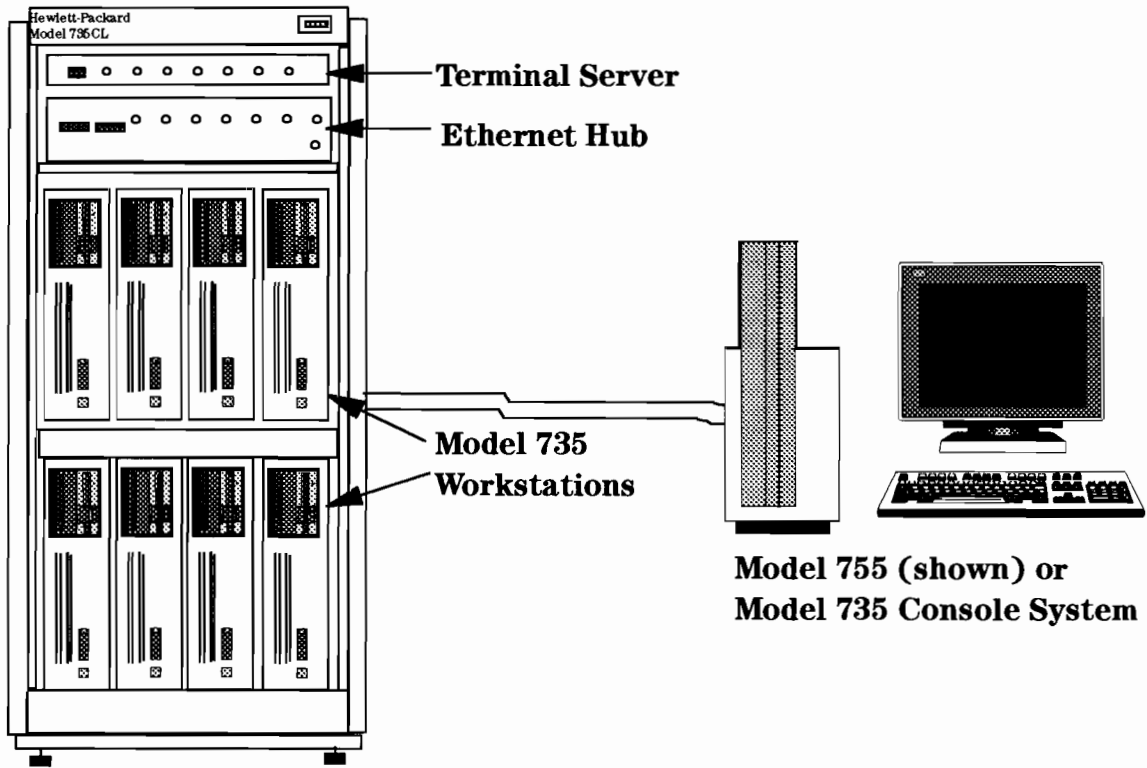
Model 735CL Ethernet Workstation Clusters

99MHz PA-RISC Processor; 1.56 Peak Giga-FLOPS

A4083A - 4 Node Ethernet Cluster



A4084A - 8 Node Ethernet Cluster



MODEL 735CL 4 Node Ethernet Workstation Cluster

		Product #
<p>1. Required: Select Base Configuration <input type="checkbox"/> Four (4) Model 735 Ethernet Workstations Each configured with: 80MB, 1GB Fast-Wide SCSI II Disk, one EISA slot, 802.3 ThinNET LAN Cluster Cabinet: Ethernet Hub Router, Terminal Server, 1.6m, 19" Cabinet, 5M Ethernet Cable Workstations are not installed in cabinet by factory</p>		A4083A
<p>1.1 Optional: Additional Factory Integrated Memory - Select ONE memory configuration only <i>Same memory configuration will be used for each workstation in rack</i> <input type="checkbox"/> Add 64MB memory, for a total of 144MB.(16MB on CPU and eight 16MB Boards) <input type="checkbox"/> Add 128MB memory, for a total of 208MB.(16MB on CPU and twelve 16MB Boards) <input type="checkbox"/> Add 320MB memory, for a total of 400MB. (16MB on CPU and twelve 32MB Boards)</p>		UFW UFU UFV
<p>1.2 Required: Select ONE Power Cord <input type="checkbox"/> North American Power Cord (200-230) <input type="checkbox"/> International Power Cord (200-230)</p>		AW4 AW5
<p>2. Optional: Select Additional Workstations (maximum of 4 additional workstations per rack) Additional workstation are not installed in rack by factory qty <input type="checkbox"/> Model 735, 80MB RAM, 1GB Fast-Wide SCSI-II Disk, one EISA Slot, Headless Workstation, 802.3 ThinNET LAN</p>		A4087A
<p>2.1 Optional: Additional Factory Integrated Memory - Select ONE memory configuration <i>Select same memory option as base configuration</i> <input type="checkbox"/> Add 64MB memory, for a total of 144MB.(16MB on CPU and eight 16MB Boards) <input type="checkbox"/> Add 128MB memory, for a total of 208MB.(16MB on CPU and twelve 16MB Boards) <input type="checkbox"/> Add 320MB memory, for a total of 400MB. (16MB on CPU and twelve 32MB Boards)</p>		UFW UFU UFV
<p>2.2 Optional: Factory Integrated Disks - Select ONE per workstation qty <input type="checkbox"/> Add 1GB Fast-Wide SCSI II Disk Drive.</p>		AT8

MODEL 735CL 8 Node Ethernet Workstation Cluster

<p>1. Required: Select Base Configuration <input type="checkbox"/> Eight (8) Model 735 Ethernet Workstations Each configured with: 80MB, 1GB Fast-Wide SCSI II Disk, one EISA slot, 802.3 ThinNET LAN, Cluster Cabinet: Ethernet Hub Router, Terminal Server, 1.6m, 19" Cabinet, 5m Ethernet Cable Workstations are not installed in cabinet by factory</p>		A4084A
<p>1.1 Optional: Additional Factory Integrated Memory - Select ONE memory configuration only <i>Same memory configuration will be used for each workstation in rack</i> <input type="checkbox"/> Add 64MB memory, for a total of 144MB.(16MB on CPU and eight 16MB Boards) <input type="checkbox"/> Add 128MB memory, for a total of 208MB.(16MB on CPU and twelve 16MB Boards) <input type="checkbox"/> Add 320MB memory, for a total of 400MB. (16MB on CPU and twelve 32MB Boards)</p>		UFW UFU UFV
<p>1.2 Required: Select ONE Power Cord <input type="checkbox"/> North American Power Cord (200-230) <input type="checkbox"/> International Power Cord (200-230)</p>		AW4 AW5

Computational Clusters

Terminal Consoles - Ethernet

One Console recommended for each cluster

	Product #
735 Terminal Console	
<input type="checkbox"/> 20"1280x1024 CRX Monitor, 32MB Ram, 1GB Fast-Wide SCSI II Disk, EISA Slot, 802.3 ThinNET LAN	A4152A
<i>Optional: Additional Factory Integrated Memory - Select ONE only</i>	
<input type="checkbox"/> Add 16MB memory, for a total of 48MB. (16MB on CPU and two 16MB Boards)	AN8
<input type="checkbox"/> Add 48MB memory, for a total of 80MB. (16MB on CPU and four 16MB Boards)	AND
<input type="checkbox"/> Add 112MB memory, for a total of 144MB. (16MB on CPU and eight 16MB Boards)	UFM
<input type="checkbox"/> Add 176MB memory, for a total of 208MB. (16MB on CPU and twelve 16MB Boards)	UFL
<input type="checkbox"/> Add 368MB memory, for a total of 400MB. (16MB on CPU and twelve 32MB Boards)	UFL
<i>Optional: Factory Integrated Disks - Select ONE per workstation</i>	
<input type="checkbox"/> Add 1GB Fast-Wide SCSI II Disk Drive	AT8
<i>Optional: EISA Option</i>	
<input type="checkbox"/> Add EISA LAN/9000 - IEEE 802.3	ALG
755 Terminal Console	
<input type="checkbox"/> 20"1280x1024 CRX Monitor, 64MB Ram, 2GB Fast-Wide SCSI II Disk, 802.3 ThinNET LAN	A4153A
<i>Optional: Additional Factory Integrated Memory - Select ONE only</i>	
<input type="checkbox"/> Add 64MB memory, for a total of 128MB (four 32MB boards)	ANQ
<input type="checkbox"/> Add 192MB memory, for a total of 256MB (eight 32MB boards)	ANW
<input type="checkbox"/> Add 320MB memory, for a total of 384MB (twelve 32MB boards)	ANX
<input type="checkbox"/> Add 448MB memory, for a total of 512MB (eight 64MB boards)	UFD
<input type="checkbox"/> Add 704MB memory, for a total of 768MB (twelve 64MB boards)	UFE
<i>Optional: Additional Factory Integrated Disk or Removable Media Device - Select ONE only</i>	
<input type="checkbox"/> Add Second 2GB Fast-Wide SCSI II Internal Disk	ATA
<input type="checkbox"/> Add 600MB CD-ROM SCSI II Drive	AM8
<input type="checkbox"/> Add 4-8GB DDS Tape Drive w/Data Compression	AMX
<i>Optional: Factory Integrated EISA Option</i>	
<input type="checkbox"/> Add EISA LAN/9000 - IEEE 802.3	ALG

Localization Kit

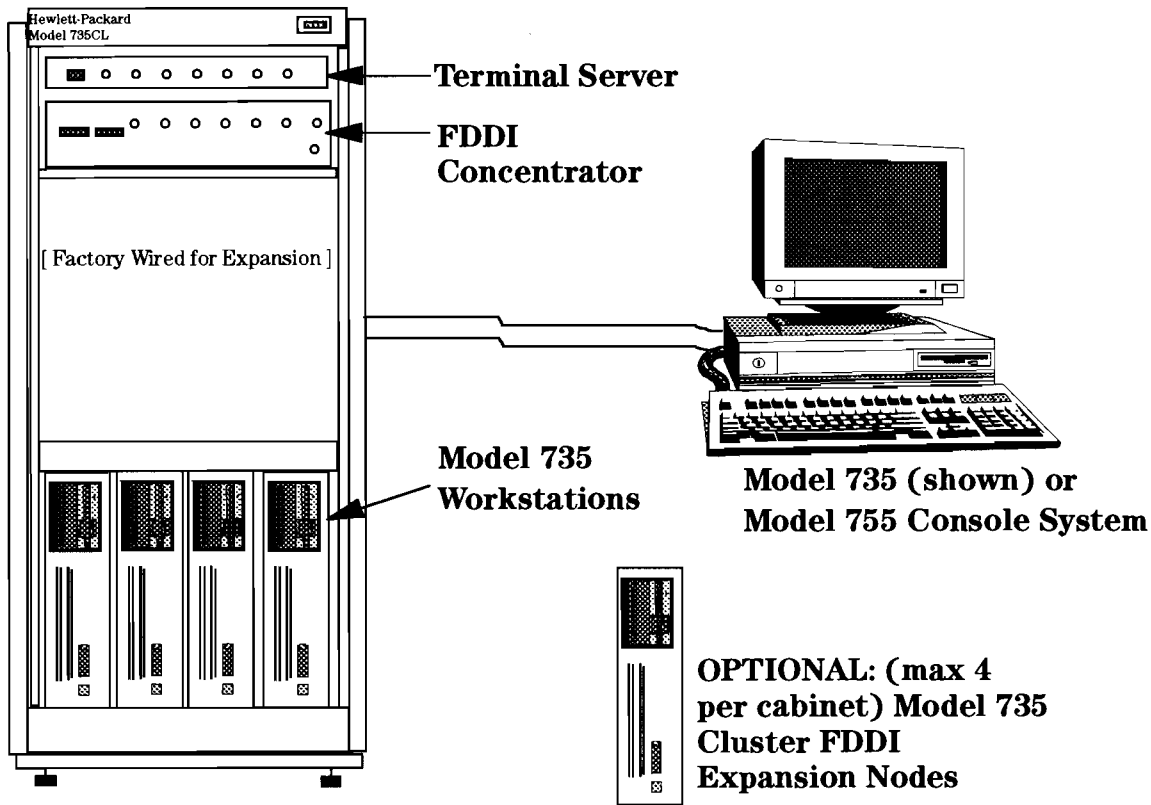
One Localization Kit Recommended for each Console

Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, Powercord & Doc.)	
<input type="checkbox"/> PC Style Keyboard	A2205B
<input type="checkbox"/> HP-HIL Keyboard	A1099C
Required: HP-UX Documentation Release	
<input checked="" type="checkbox"/> HP-UX 9.0 Documentation	APH
Required: Localized Option (See Additional Information Section for a complete list)	
<input type="checkbox"/> North American Local Option	ABA

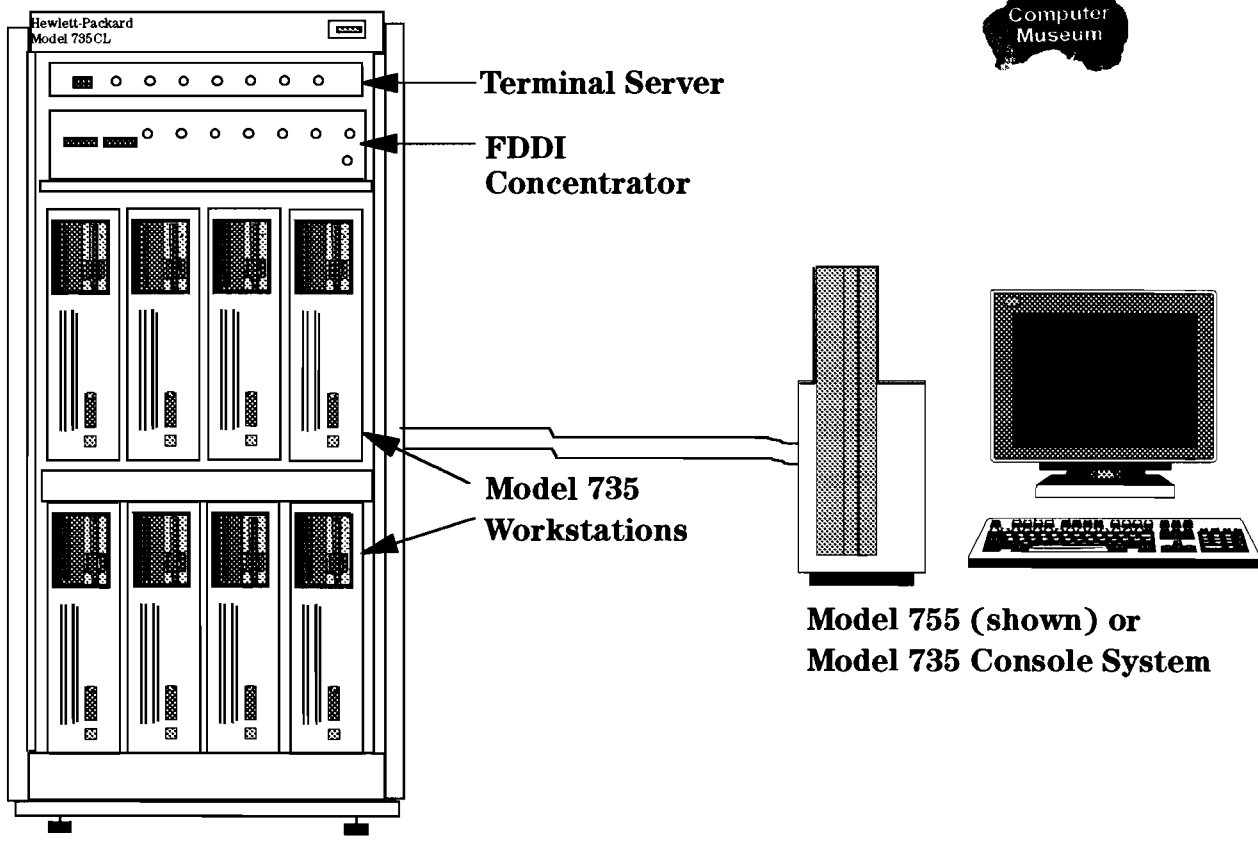
Model 735CL FDDI Workstation Clusters

99MHz PA-RISC Processor; 1.56 Peak Giga-FLOPS

A4085A - 4 Node FDDI Cluster



A4086A - 8 Node FDDI Cluster



MODEL 735CL 4 Node FDDI Workstation Cluster

		Product #
<p>1. Required: Select Base Configuration</p> <p><input type="checkbox"/> Four (4) Model 735 Headless Workstations Each configured with: 80MB, 1GB Fast-Wide SCSI II Disk, one EISA slot, FDDI/9000 Cluster Cabinet: 10 Port FDDI Concentrator, Terminal Server, 1.6m, 19" Cabinet, 5m FDDI cable Workstations are not installed in cabinet by factory</p>		A4085A
<p>1.1 Optional: Additional Factory Integrated Memory - Select ONE memory configuration only <i>Same memory configuration will be used for each workstation in rack</i></p> <p><input type="checkbox"/> Add 64MB memory, for a total of 144MB. (16MB on CPU and eight 16MB Boards) <input type="checkbox"/> Add 128MB memory, for a total of 208MB. (16MB on CPU and twelve 16MB Boards) <input type="checkbox"/> Add 320MB memory, for a total of 400MB. (16MB on CPU and twelve 32MB Boards)</p>		UFW UFU UFV
<p>1.2 Required: Select ONE Power Cord</p> <p><input type="checkbox"/> North American Power Cord (200-230) <input type="checkbox"/> International Power Cord (200-230)</p>		AW4 AW5
<p>2. Optional: Select Additional Workstations (maximum of 4 additional workstations per rack) Additional workstation are not installed in rack by factory</p> <p>qty <input type="checkbox"/> Model 735, 80MB RAM, 1GB Fast-Wide SCSI-II Disk, one EISA Slot, Headless Workstation, FDDI/9000</p>		A4088A
<p>2.1 Optional: Additional Factory Integrated Memory - Select ONE memory configuration <i>Select same memory option as base configuration</i></p> <p><input type="checkbox"/> Add 64MB memory, for a total of 144MB. (16MB on CPU and eight 16MB Boards) <input type="checkbox"/> Add 128MB memory, for a total of 208MB. (16MB on CPU and twelve 16MB Boards) <input type="checkbox"/> Add 320MB memory, for a total of 400MB. (16MB on CPU and twelve 32MB Boards)</p>		UFW UFU UFV
<p>2.2 Optional: Factory Integrated Disks - Select ONE per workstation</p> <p>qty <input type="checkbox"/> Add 1GB Fast-Wide SCSI II Disk Drive</p>		AT8

MODEL 735CL 8 Node FDDI Workstation Cluster

<p>1. Required: Select Base Configuration</p> <p><input type="checkbox"/> Eight (8) Model 735 Headless Workstations Each configured with: 80MB, 1GB Fast-Wide SCSI II Disk, one EISA slot, FDDI/9000 Cluster Cabinet: 10 Port FDDI Concentrator, Terminal Server, 1.6m, 19" Cabinet, 5m FDDI Cable Workstations are not installed in cabinet by factory</p>		A4086A
<p>1.1 Optional: Additional Factory Integrated Memory - Select ONE memory configuration only <i>Same memory configuration will be used for each workstation in rack</i></p> <p><input type="checkbox"/> Add 64MB memory, for a total of 144MB. (16MB on CPU and eight 16MB Boards) <input type="checkbox"/> Add 128MB memory, for a total of 208MB. (16MB on CPU and twelve 16MB Boards) <input type="checkbox"/> Add 320MB memory, for a total of 400MB. (16MB on CPU and twelve 32MB Boards)</p>		UFW UFU UFV
<p>1.2 Required: Select ONE Power Cord</p> <p><input type="checkbox"/> North American Power Cord (200-230) <input type="checkbox"/> International Power Cord (200-230)</p>		AW4 AW5

Terminal Consoles - FDDI

One Console recommended for each cluster

	Product #
735 Terminal Console	
<input type="checkbox"/> 20"1280x1024 CRX Monitor, 32MB Ram, 1GB Fast-Wide SCSI II Disk, EISA Slot, FDDI/9000 LAN	A4154A
<i>Optional: Additional Factory Integrated Memory - Select ONE only</i>	
<input type="checkbox"/> Add 16MB memory, for a total of 48MB. (16MB on CPU and two 16MB Boards)	AN8
<input type="checkbox"/> Add 48MB memory, for a total of 80MB. (16MB on CPU and four 16MB Boards)	AND
<input type="checkbox"/> Add 112MB memory, for a total of 144MB. (16MB on CPU and eight 16MB Boards)	UFM
<input type="checkbox"/> Add 176MB memory, for a total of 208MB. (16MB on CPU and twelve 16MB Boards)	UFL
<input type="checkbox"/> Add 368MB memory, for a total of 400MB. (16MB on CPU and twelve 32MB Boards)	UFL
<i>Optional: Factory Integrated Disks - Select ONE per workstation</i>	
<input type="checkbox"/> Add 1GB Fast-Wide SCSI II Disk Drive	AT8
<i>Optional: EISA Option</i>	
<input type="checkbox"/> Add EISA LAN/9000 - IEEE 802.3	ALG
755 Terminal Console	
<input type="checkbox"/> 20"1280x1024 CRX Monitor, 64MB Ram, 2GB Fast-Wide SCSI II Disk, FDDI/9000 LAN	A4155A
<i>Optional: Additional Factory Integrated Memory - Select ONE only</i>	
<input type="checkbox"/> Add 64MB memory, for a total of 128MB (four 32MB boards)	ANQ
<input type="checkbox"/> Add 192MB memory, for a total of 256MB (eight 32MB boards)	ANW
<input type="checkbox"/> Add 320MB memory, for a total of 384MB (twelve 32MB boards)	ANX
<input type="checkbox"/> Add 448MB memory, for a total of 512MB (eight 64MB boards)	UFD
<input type="checkbox"/> Add 704MB memory, for a total of 768MB (twelve 64MB boards)	UFE
<i>Optional: Additional Factory Integrated Disk or Removable Media Device -Select ONE only</i>	
<input type="checkbox"/> Add Second 2GB Fast-Wide SCSI II Internal Disk	ATA
<input type="checkbox"/> Add 600MB CD-ROM SCSI II Drive	AM8
<input type="checkbox"/> Add 4-8GB DDS Tape Drive w/Data Compression	AMX
<i>Optional: Factory Integrated EISA Option</i>	
<input type="checkbox"/> Add EISA LAN/9000 - IEEE 802.3	ALG

Localization Kit

One Localization Kit Recommended for each Console

Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, Powercord & Doc.)	
<input type="checkbox"/> PC Style Keyboard	A2205B
<input type="checkbox"/> HP-HIL Keyboard	A1099C
Required: HP-UX Documentation Release	
<input checked="" type="checkbox"/> HP-UX 9.0 Documentation	APH
Required: Localized Option (See Additional Information Section for a complete list)	
<input type="checkbox"/> North American Local Option	ABA

Computational Clusters

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Series 700 Single Board and Ruggedized Workstation Comparison Matrix

	<i>NEW!</i> 743I/64	<i>NEW!</i> 743I/100	<i>NEW!</i> 743rt/64	<i>NEW!</i> 743rt/100	745I/50	745I/100	747I/50	747I/100
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Packaging	6U VME Board	6U VME Board	6U VME Board	6U VME Board	Rackmount/Desktop	Rackmount/Desktop	Rackmount/Desktop	Rackmount/Desktop
Clock	64MHz	100MHz	64MHz	100MHz	50MHz	100MHz	50MHz	100MHz
SPECint92	66.6	100.1			49.2	106.4	49.2	106.4
SPECfp92	96.5	137			78.8	155	78.8	155
MIPS	78	122	78	122	63	126.5	63	126.5
MFLOPS	24	39	24	39	14.3	45.8	14.3	45.8
Cache	256KB merged	256KB merged	256KB merged	256KB merged	64KB/64KB	256KB/256KB	64KB/64KB	256KB/256KB
RAM	16-256MB	16-256MB	8-256MB	8-256MB	16-128MB	16-256MB	16-128MB	16-256MB

Graphics	Monitor Sizes available							
Integrated Color (1024x768)	15" Monitor	15" Monitor			15 & 17" Monitor	15 & 17" Monitor	15 & 17" Monitor	15 & 17" Monitor
Integrated Color (1280x1024)	17" & 20" Monitor	17" & 20" Monitor			20" Monitor	20" Monitor	20" Monitor	20" Monitor
Flat Panel	11.8" Monitor	11.8" Monitor						
CRX							20" Monitor	20" Monitor
CRX-24							20" Monitor	20" Monitor
8 Plane Color GSC Mezzanine	optional	optional						

Internal Disk Capacity					3GB*	3GB*	3GB*	3GB*
Total Disk Capacity	14GB	14GB	14GB	14GB	294GB	294GB	154GB	154GB

* 8GB available after July, 1994.

Removable Media Options

1.44MB 3.5" Floppy					Int.	Int.	Int.	Int.
800MB CD-ROM	Ext.	Ext.			Int./Ext.	Int./Ext.	Int./Ext.	Int./Ext.
2.0GB 3.5" DDS Tape	Ext.	Ext.	Ext.	Ext.	Int./Ext.	Int./Ext.	Int./Ext.	Int./Ext.
4-8GB 3.5" DDS tape w/comp	Ext.	Ext.	Ext.	Ext.	Int./Ext.	Int./Ext.	Int./Ext.	Int./Ext.

Int. = Internal V Ext. = External

Built-in I/O

Single-Ended SCSI-II Interface	1	1	1	1	1	1	1	1
RS-232 Ports	2**	2**	2**	2**	2	2	2	2
Centronics Port	1**	1**	1**	1**	1	1	1	1
Keyboard Connect	Mini-DIN	Mini-DIN			HP-HIL	HP-HIL	HP-HIL	HP-HIL
Audio	CD Quality**	CD Quality**			Voice Quality	Voice Quality	Voice Quality	Voice Quality
IEEE 802.3 Ethernet	AUI**	AUI**	AUI**	AUI**	AUI	AUI	AUI	AUI
HP-IB (Instrument Only)					1	1	1	1
EISA Expansion Slots					4	4	2	2
VME Expansion Slots							6	6
HP SGC slots							1	1
HP GSC Mezzanine Bus	2	2	2	2				

** Custom cable required.

Operating System	HP-UX 9.0***	HP-UX 9.0***	HP-RT 2.0	HP-RT 2.0	HP-UX 9.0***	HP-UX 9.0***	HP-UX 9.0***	HP-UX 9.0***
Base Configuration	No Monitor, 16MB	No Monitor, 16MB	No Monitor, 8MB	No Monitor, 8MB	15" C, 16MB,	15" C, 16MB,	15" C, 16MB,	15" C, 16MB,
(include local kit)	Diskless	Diskless	Diskless	Diskless	Diskless	Diskless	Diskless	Diskless

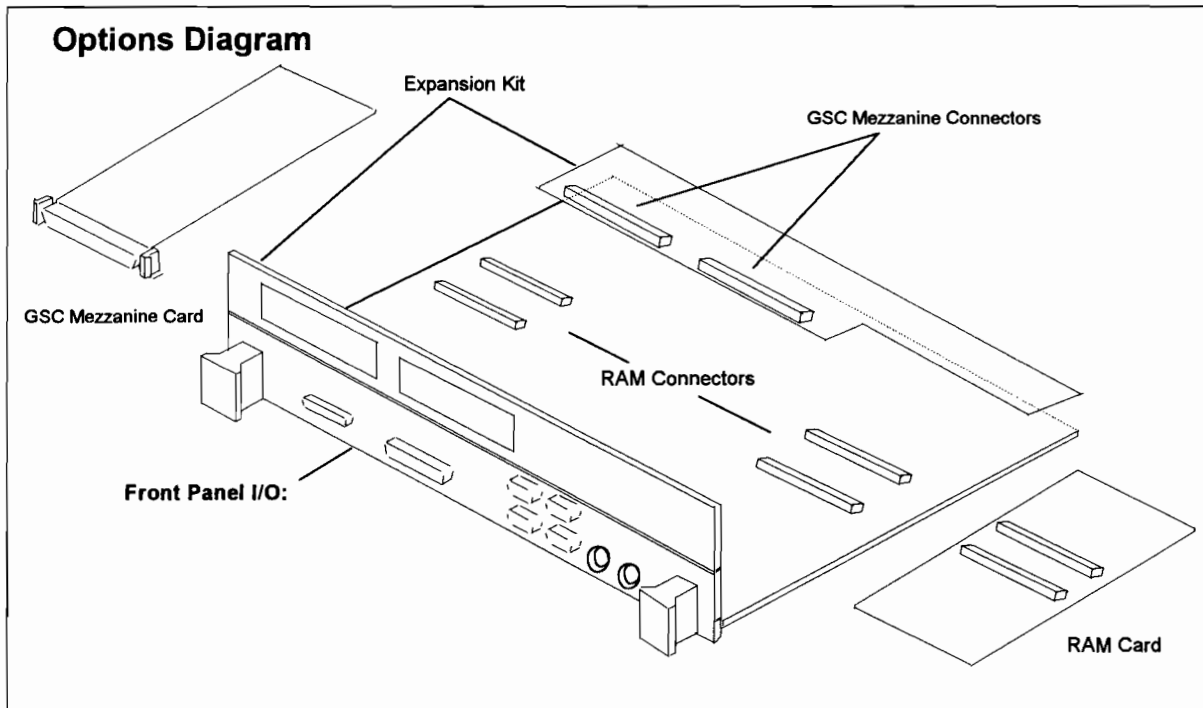
*** Workstations ship with HP-UX 9.05 (latest version of HP-UX 9.0)

Single Board and
Ruggedized
Workstations

Model 743i/64 and 743i/100 VMEbus Board Computer

64MHz PA-RISC Processor: SPECint92 = 66.6 and SPECfp92 = 96.5

100MHz PA-RISC Processor: SPECint92 = 100.1 and SPECfp92 = 137.0



Standard Features

- Operating Environment: latest version of HP-UX 9.0 Run-Time, 2 user license to use, separate HP Visual User Environment License (1 User)
- IEEE 802.3 Ethernet LAN
- CD quality Audio input/output

Total RAM Capacity	256MB
Number of internal SCSI II buses	1
Single Ended SCSI II Bus Configuration Constraints	7
Number of GSC mezzanine cards supported	2 (requires expansion kit)
Number of Asynchronous RS-232C ports	2
Number of Centronics Parallel ports	1

Although the 743i is highly flexible it does have some restrictions.

The following guidelines should prevent configuration errors.

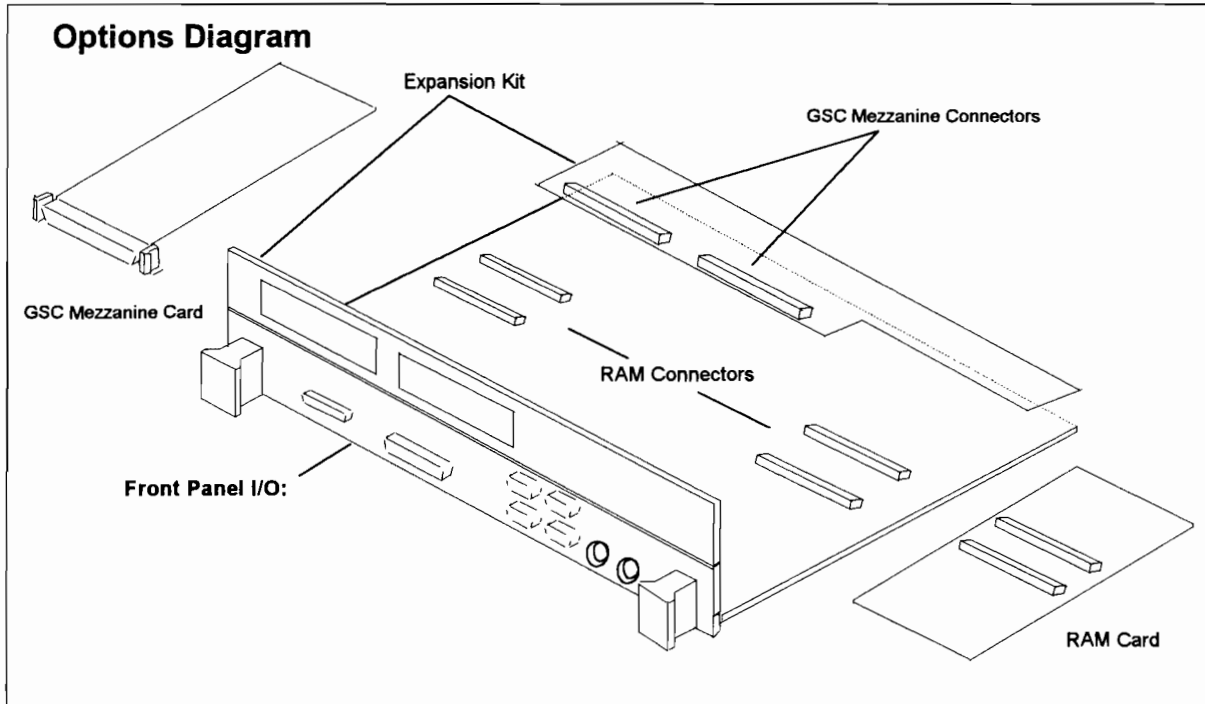
1. Only one RAM card may be attached to each RAM connector without expanding into the second slot. (cards do not need to be used in pairs)
2. The GSC expansion cards require the Expansion Kit to be installed.
3. There is a maximum of 4 RAM cards.
4. The RAM cards may be stacked up to 3 high.
5. A stack of 2 or more RAM boards requires the Expansion Kit to be installed.
6. The LAN, RS-232, HP Parallel, On-board Graphics, and Audio ports require special cables. Cables are not included with the system.
7. Systems not ordered with on-board graphics require HP 700/96 or 700/98 terminal or system that can emulate one of these to be connected to the "A" RS-232 port to boot and configure the boot ROM.

MODEL 743i VMEbus SINGLE BOARD COMPUTER

		Product #
1. Required: Base System		
<input checked="" type="checkbox"/> Model 743i VMEbus Board Computer (no memory included)		A4260A
1.1 Required: Processor Board - Must select ONE only		
<input type="checkbox"/> 64MHz, No graphics		201
<input type="checkbox"/> 64MHz, and on-board 8 plane color graphics		202
<input type="checkbox"/> 100MHz, No graphics		203
<input type="checkbox"/> 100MHz, and on-board 8 plane color graphics		204
2 Optional: GSC Mezzanine Card		
<input type="checkbox"/> 8 Plane Color Graphics		A4267A
3. Required: Memory		
<input type="checkbox"/> 8MB RAM card (single card using 4Mbit DRAMs)		A4263A
<input type="checkbox"/> 16MB RAM card (single card using 4MBit DRAMs)		A4264A
<input type="checkbox"/> 32MB RAM card (single card using 16MBit DRAMs)		A4265A
<input type="checkbox"/> 64MB RAM card (single card using 16MBit DRAMs)		A4266A
4. Optional: Second Slot Expansion Kit		
<input type="checkbox"/> Model 743 Expansion Kit		A4262A
5. Recommended: 743 Custom Cables		
<input type="checkbox"/> HP Parallel cable 25 pin High Density to standard 25 pin F		A4300A
<input type="checkbox"/> RS232 cable 9 pin High Density to Standard 9 pin M		A4301A
<input type="checkbox"/> Audio cable 9 pin High Density to		A4302A
<input type="checkbox"/> LAN cable 15 pin High Density to 15 pin AUI		A4303A
<input type="checkbox"/> Monitor cable 15 pin High Density to standard 15 pin F		A4304A
6. Recommended: Other Cables		
<input type="checkbox"/> SCSI cable High Density 50 pin to Standard bail lock, .9m		K2296
<input type="checkbox"/> Centronics Parallel cable 25 pin M to 36 pin M		92284A
<input type="checkbox"/> RS232 modem cable 9 pin F to 25 pin F		24542H
<input type="checkbox"/> RS232 terminal cable 9 pin F to 25 pin M		24542G
7. Required: Documentation - Must be ordered with all 1st time purchases		
<input type="checkbox"/> 743 Installation & Documentation Kit Includes Installation Guide, Owners Guide, and a one time use anti-static strap		A4271A
8. Optional: Additional Documentation		
<input type="checkbox"/> 743 Installation Guide		A2632-90010
<input type="checkbox"/> 743 Owners Guide		A2632-90014
<input type="checkbox"/> 743 Service Handbook		A2632-90039
<input type="checkbox"/> 743 Service Manual		A2632-90030
<input type="checkbox"/> HP-UX 9.05 VME Driver Development Guide		A2663-90020
9. Optional: Monitors		
<input type="checkbox"/> 15" Color 1024x768		D1196A
<input type="checkbox"/> 17" Color 1280x1024		A4032A
<input type="checkbox"/> 20" Color 1280x1024		A4033A
<input type="checkbox"/> 11.8" Flat Panel 1024x768		A2882A
10. Optional: Keyboard		
<input type="checkbox"/> mini-DIN PC/AT layout		A2840B
10.1 Required: Localized Option (See Additional Information Section for a complete list)		
<input type="checkbox"/> North American Local Option		ABA
<input type="checkbox"/> Other _____		Opt _____
11. Optional: Mouse		
<input type="checkbox"/> mini-DIN 3 button mouse		A2839A
12. Recommended: Ethernet Kit (ThickLAN (AUI) connector is standard)		
<input type="checkbox"/> Add-on ThinLAN Ethernet Transceiver		A2670A
<input type="checkbox"/> Add-on EtherTwist Transceiver		A2671A

Single Board and Ruggedized Workstations

Model 743rt/64 and 743rt/100 VMEbus Board Computer
 64MHz PA-RISC Processor with integrated 64MHz Floating Point Co-Processor
 MIPS = 78.0
and
 100MHz PA-RISC Processor with integrated 100MHz Floating Point Co-Processor
 MIPS = 122.1



Standard Features

- Operating Environment: HP-RT 2.0 Run-Time license to use
- IEEE 802.3 Ethernet LAN

Total RAM Capacity	256MB
Number of internal SCSI II buses	1
Single Ended SCSI II Bus Configuration Constraints	7
Number of GSC Mezzanine Cards Supported	2 (requires expansion kit)
Number of Asynchronous RS-232C ports	2
Number of Centronics Parallel ports	1

Although the 743rt is highly flexible it does have some restrictions.

The following guidelines should prevent configuration errors.

1. Only one RAM card may be attached to each RAM connector with out expanding into the second slot. (boards do not need to be used in pairs)
2. The GSC expansion cards require the Expansion Kit to be installed.
3. There is a maximum of 4 RAM cards.
4. The RAM cards may be stacked up to 3 high.
5. A stack of 2 or more RAM boards requires the Expansion Kit to be installed.
6. The LAN, RS-232, HP Parallel, ports require special cables. None are included with the system.
7. An HP 700/96 or 700/98 terminal or system that can emulate one of these must be connected to the "A" RS-232 port to boot and configure the boot ROM.
8. HP-RT does not support Graphics, Audio, or the mini-DIN interfaces.

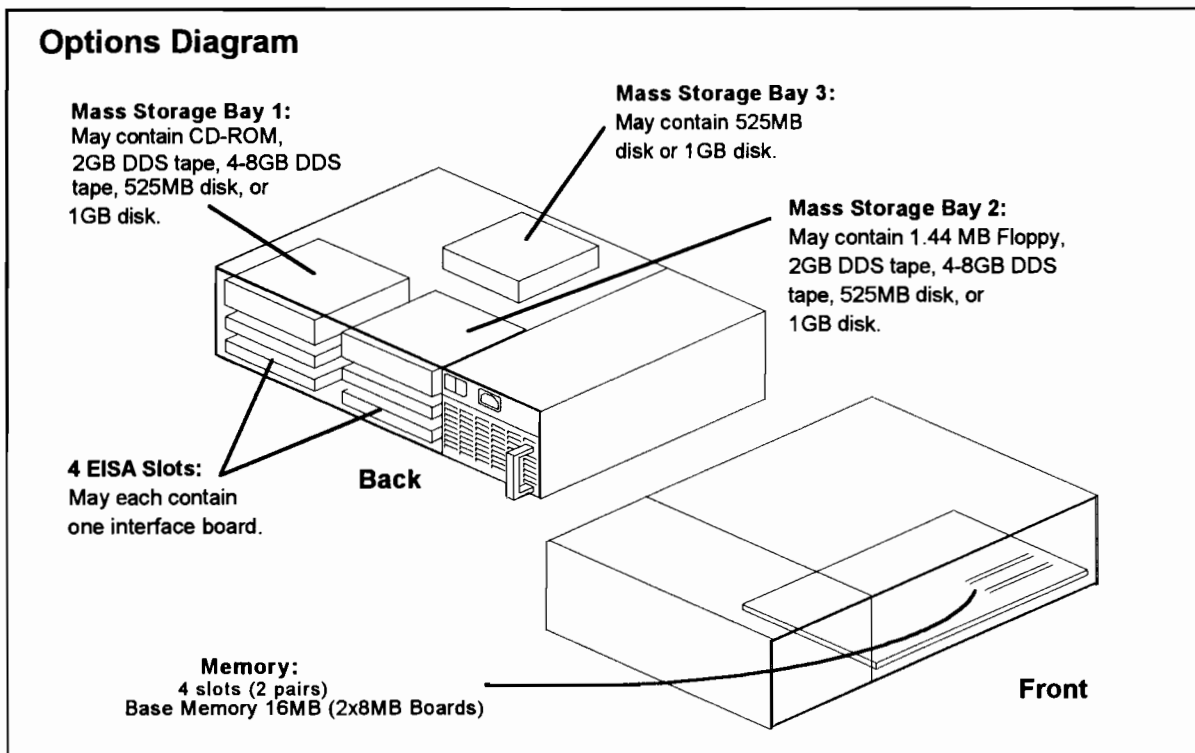
MODEL 743rt VMEbus SINGLE BOARD COMPUTER

		Product #
1. Required: Base System		
<input checked="" type="checkbox"/>	Model 743rt VMEbus Board Computer (no memory included)	A4261A
1.1 Required: Processor Board - Must select ONE only		
<input type="checkbox"/>	64MHz, No graphics	201
<input type="checkbox"/>	100MHz, No graphics	203
2. Required: Memory		
<input type="checkbox"/>	8MB RAM card (single card using 4Mbit DRAMs)	A4263A
<input type="checkbox"/>	16MB RAM card (single card using 4MBit DRAMs)	A4264A
<input type="checkbox"/>	32MB RAM card (single card using 16MBit DRAMs)	A4265A
<input type="checkbox"/>	64MB RAM card (single card using 16MBit DRAMs)	A4266A
3. Optional: Second Slot Expansion Kit		
<input type="checkbox"/>	Model 743 Expansion Kit	A4262A
4. Recommended: 743 Custom Cables		
<input type="checkbox"/>	HP Parallel cable 25 pin High Density to standard 25 pin F	A4300A
<input type="checkbox"/>	RS232 cable 9 pin High Density to Standard 9 pin M	A4301A
<input type="checkbox"/>	LAN cable 15 pin High Density to 15 pin AUI	A4303A
5. Recommended: Other Cables		
<input type="checkbox"/>	SCSI cable High Density 50 pin to Standard bail lock, .9m	K2296
<input type="checkbox"/>	Centronics Parallel cable 25 pin M to 36 pin M	92284A
<input type="checkbox"/>	RS232 modem cable 9 pin F to 25 pin F	24542H
<input type="checkbox"/>	RS232 terminal cable 9 pin F to 25 pin M	24542G
6. Required: Documentation - Must be ordered with all 1st time purchases		
<input type="checkbox"/>	743 Installation & Documentation Kit Includes Installation Guide, Owners Guide, and a one time use anti-static strap	A4271A
7. Optional: Additional Documentation		
<input type="checkbox"/>	743 Installation Guide	A2632-90010
<input type="checkbox"/>	743 Owners Guide	A2632-90014
<input type="checkbox"/>	743 Service Handbook	A2632-90039
<input type="checkbox"/>	743 Service Manual	A2632-90030
8. Recommended: Ethernet Kit (ThickLAN (AUI) connector is standard)		
<input type="checkbox"/>	Add-on ThinLAN Ethernet Transceiver	A2670A
<input type="checkbox"/>	Add-on EtherTwist Transceiver	A2671A

Single Board and Ruggedized Workstations

Model 745i/50 Modular Workstation

50MHz PA-RISC Processor with integrated 50MHz Floating Point Co-Processor
 SPECint92 = 49.2 ----- SPECfp92 = 78.8



Standard Features

- Operating Environment: latest version of HP-UX 9.0 Run-Time, 2 user license to use/separate HP Visual User Environment License (1 User)
- HP-IB Instrument Interface
- Rack Mount Flange kit
- IEEE 802.3 Ethernet LAN interface configured with standard ThickNET AUI connector only
- Voice quality Audio input/output
- Auto selecting power supply 115V/230V
- Documentation: Owner's Guides, Installation Guide, and General Usage Manuals (HP-UX User's Guide, HP-VUE User's Guide, HP-VUE Quick Start Card (included in Localization Kit))

Total RAM Capacity	128MB
Total Disk Capacity	294GB
Number of EISA slots	4
Number of internal SCSI II buses	1
Number of Add-on SCSI II buses (available via EISA slot)	4
Internal Storage Constraints	
Maximum number storage devices	3
Maximum number of Disks	3
Maximum number of Removable Media Devices	2
Number of Asynchronous RS-232C ports	2
Number of Centronics Parallel ports	1

MODEL 745i/50 RUGGEDIZED WORKSTATION - Standard Configuration

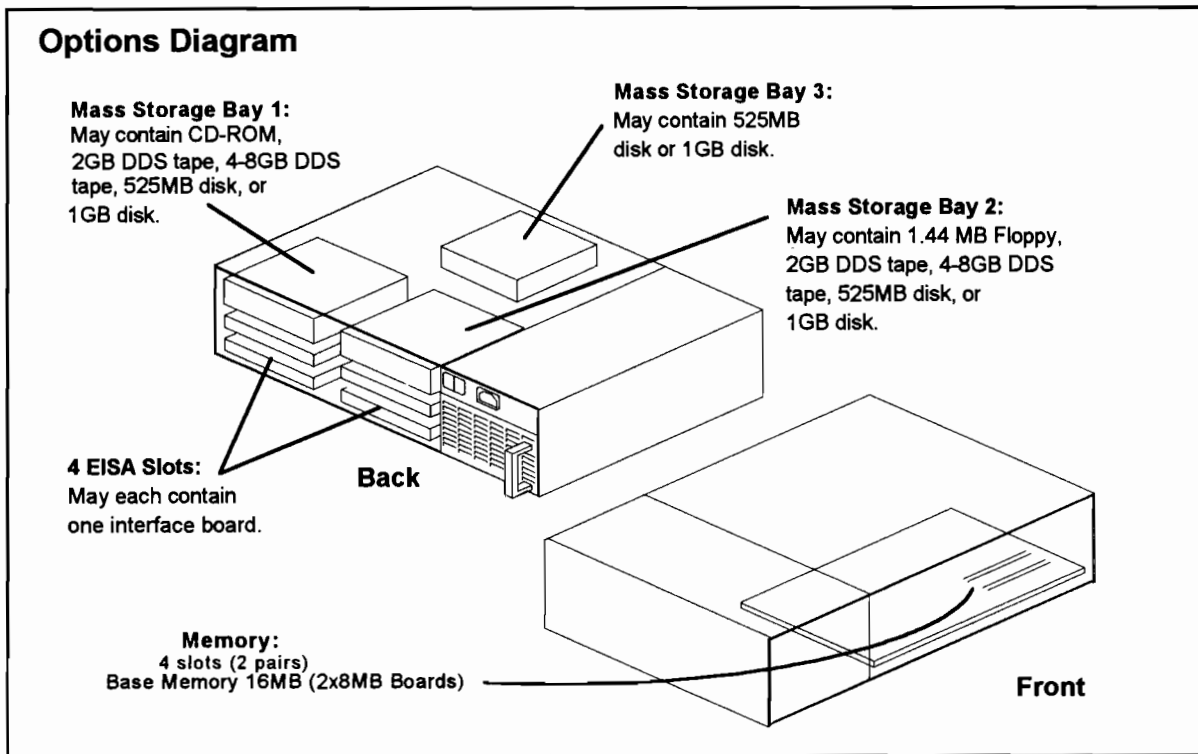
	Product #
1. Required: Select Standard Configuration <input checked="" type="checkbox"/> 745i/50, 15" Color Monitor, 16MB RAM, Diskless	A2638B
1.1 Optional: Delete 4 EISA slots <input type="checkbox"/> Delete 4 EISA slots	001
1.2 Optional: Replace/Delete Standard Monitor - Select ONE Only <input type="checkbox"/> Delete 15" Color Monitor <input type="checkbox"/> Replace 15" Color Monitor with 17" Color Monitor <input type="checkbox"/> Replace 15" Color Monitor with 20" Color Monitor	ADY ADR ADV
1.3 Optional: Additional Factory Integrated Memory - Select ONE only <input type="checkbox"/> Add 16MB memory, for a total of 32MB (four 8MB SIMMs) <input type="checkbox"/> Add 16MB memory, for a total of 32MB (two 16MB SIMMs) <input type="checkbox"/> Add 48MB memory, for a total of 64MB (two 32MB SIMMs) <input type="checkbox"/> Add 112MB memory, for a total of 128MB (four 32MB SIMMs)	AN8 ANC ANE ANS
1.4 Optional: Additional Factory Integrated Disk/Removable Media for Bay 1 - Select ONE only <input type="checkbox"/> Add 525MB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 1GB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 600MB CD-ROM SCSI II Drive <input type="checkbox"/> Add 2GB DDS SCSI II Tape Drive (may not order with AMY or AMZ) <input type="checkbox"/> Add 4-8GB DDS SCSI II Tape Drive w/Data Compression (may not order with AMY or AMZ)	AT9 AT7 AM8 AMW AMX
1.5 Optional: Additional Factory Integrated Disk/Removable Media for Bay 2- Select ONE only <input type="checkbox"/> Add 525MB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 1GB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 1.4MB SCSI II Floppy Disk Drive <input type="checkbox"/> Add 2GB DDS SCSI II Tape Drive (may not order with AMW or AMX) <input type="checkbox"/> Add 4-8GB DDS SCSI II Tape Drive w/Data Compression (may not order with AMW or AMX)	AT9 AT7 AMB AMY AMZ
1.6 Optional: Additional Factory Integrated Disk for Bay 3 - Select ONE only <input type="checkbox"/> Add 525MB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 1GB Single-Ended SCSI II Disk Drive	AT9 AT7
1.7 Optional: Installation <input type="checkbox"/> Installation	0S4
1.8 Optional: Support Options - Warranty Upgrades - Select ONE Only <input type="checkbox"/> Upgrades warranty to 1-year next-day response <input type="checkbox"/> Upgrades warranty to 1-year 4-hour response <input type="checkbox"/> Upgrades warranty to 1-year next-day response with software phone support <input type="checkbox"/> Upgrades warranty to 1-year 4-hour response with software phone support <input type="checkbox"/> Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response <input type="checkbox"/> Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response with software phone support	0S0 0S1 0S2 0S3 0S5 0S6
2. Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, 2 Power cords & Doc.) <input type="checkbox"/> HP-HIL Keyboard <input type="checkbox"/> PC Style Keyboard	A1099C A2205B
2.1 Required: Select ONE HP-UX Documentation Release <input type="checkbox"/> HP-UX 9.0 Documentation <input type="checkbox"/> No Documentation	APH 0B0
2.2 Required: Localized Option (See Additional Information Section for a complete list) <input type="checkbox"/> North American Local Option <input type="checkbox"/> Other _____	ABA Opt_____
3. Recommended: Ethernet Kit (ThickLAN (AUI) Connector is standard) <input type="checkbox"/> Add-on ThinLAN Ethernet Transceiver <input type="checkbox"/> Add-on EtherTwist Transceiver	A2670A A2671A

To select Instant Ignition and pre-loaded software, refer to the Software Volume of this guide.

Single Board and Ruggedized Workstations

Model 745i/100 Modular Workstation

100MHz PA-RISC Processor with integrated 100MHz Floating Point Co-Processor
 SPECint92 = 106.4 ----- SPECfp92 = 155



Standard Features

- Operating Environment: latest version of HP-UX 9.0 Run-Time, 2 user license to use/separate HP Visual User Environment License (1 User)
- HP-IB Instrument Interface
- Rack Mount Flange kit
- IEEE 802.3 Ethernet LAN interface configured with standard ThickNET AUI connector only
- Voice quality Audio input/output
- Auto selecting power supply 115V/230V
- Documentation: Owner's Guides, Installation Guide, and General Usage Manuals (HP-UX User's Guide, HP-VUE User's Guide, HP-VUE Quick Start Card (included in Localization Kit))

Total RAM Capacity	256MB
Total Disk Capacity	294GB
Number of EISA slots	4
Number of internal SCSI II buses	1
Number of add-on SCSI II buses (available via EISA slot)	4
Internal Storage Constraints	
Maximum number storage devices	3
Maximum number of Disks	3
Maximum number of Removable Media Devices	2
Number of Asynchronous RS-232C ports	2
Number of Centronics Parallel ports	1

MODEL 745I/100 RUGGEDIZED WORKSTATION - Standard Configuration

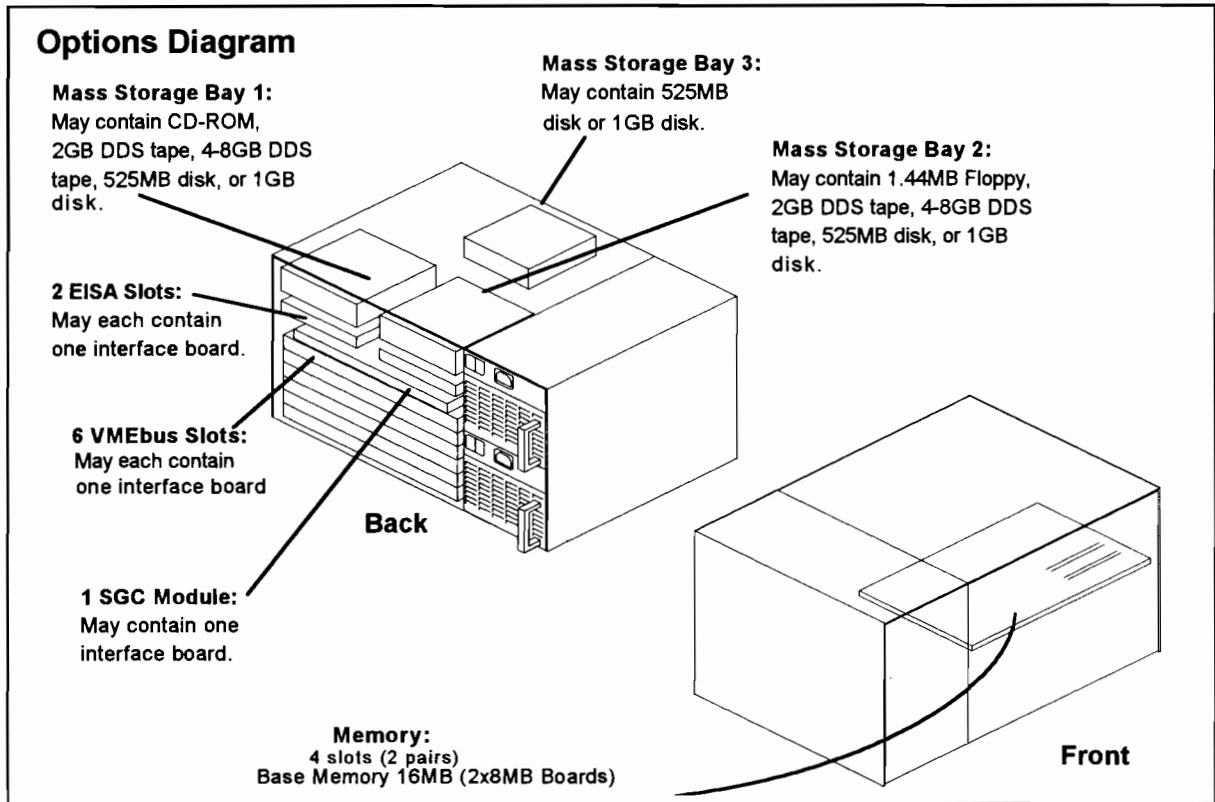
	Product #
1. Required: Select Standard Configuration <input checked="" type="checkbox"/> 745I/50,15" Color Monitor, 16MB RAM, Diskless <input checked="" type="checkbox"/> Substitute 100MHz CPU for standard 50MHz CPU	A2638B UKA
1.2 Optional: Delete 4 EISA slots <input type="checkbox"/> Delete 4 EISA slots	001
1.3 Optional: Replace/Delete Standard Monitor - Select ONE Only <input type="checkbox"/> Delete 15" Color Monitor <input type="checkbox"/> Replace 15" Color Monitor with 17" Color Monitor <input type="checkbox"/> Replace 15" Color Monitor with 20"Color Monitor	ADY ADR ADV
1.4 Optional: Additional Factory Integrated Memory - Select ONE only <input type="checkbox"/> Add 16MB memory, for a total of 32MB (four 8MB SIMMs) <input type="checkbox"/> Add 16MB memory, for a total of 32MB (two 16MB SIMMs) <input type="checkbox"/> Add 48MB memory, for a total of 64MB (two 32MB SIMMs) <input type="checkbox"/> Add 112MB memory, for a total of 128MB (two 64MB SIMMs) <input type="checkbox"/> Add 240MB memory, for a total of 256MB (four 64MB SIMMs)	AN8 ANC ANE UFM UFB
1.5 Optional: Additional Factory Integrated Disk/Removable Media for Bay 1 - Select ONE only <input type="checkbox"/> Add 525MB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 1GB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 600MB CD-ROM SCSI II Drive <input type="checkbox"/> Add 2GB DDS SCSI II Tape Drive (may not order with AMY or AMZ) <input type="checkbox"/> Add 4-8GB DDS SCSI II Tape Drive w/Data Compression (may not order with AMY or AMZ)	AT9 AT7 AM8 AMW AMX
1.6 Optional: Additional Factory Integrated Disk/Removable Media for Bay 2- Select ONE only <input type="checkbox"/> Add 525MB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 1GB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 1.4MB SCSI II Floppy Disk Drive <input type="checkbox"/> Add 2GB DDS SCSI II Tape Drive (may not order with AMW or AMX) <input type="checkbox"/> Add 4-8GB DDS SCSI II Tape Drive w/Data Compression (may not order with AMW or AMX)	AT9 AT7 AMB AMY AMZ
1.7 Optional: Additional Factory Integrated Disk for Bay 3 - Select ONE only <input type="checkbox"/> Add 525MB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 1GB Single-Ended SCSI II Disk Drive	AT9 AT7
1.8 Optional: Installation <input type="checkbox"/> Installation	0S4
1.9 Optional: Support Options - Warranty Upgrades - Select ONE Only <input type="checkbox"/> Upgrades warranty to 1-year next-day response <input type="checkbox"/> Upgrades warranty to 1-year 4-hour response <input type="checkbox"/> Upgrades warranty to 1-year next-day response with software phone support <input type="checkbox"/> Upgrades warranty to 1 -year 4-hour response with software phone support <input type="checkbox"/> Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response <input type="checkbox"/> Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response with software phone support	0S0 0S1 0S2 0S3 0S5 0S6
2. Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, 2 Power cords & Doc.) <input type="checkbox"/> HP-HIL Keyboard <input type="checkbox"/> PC Style Keyboard	A1099C A2205B
2.1 Required: Select ONE HP-UX Documentation Release <input type="checkbox"/> HP-UX 9.0 Documentation <input type="checkbox"/> No Documentation	APH 0B0
2.2 Required: Localized Option (See Additional Information Section for a complete list) <input type="checkbox"/> North American Local Option <input type="checkbox"/> Other _____	ABA Opt_____
3. Recommended Ethernet Kit (ThickLAN (AUI) Connector is standard) <input type="checkbox"/> Add-on ThinLAN Ethernet Transceiver <input type="checkbox"/> Add-on EtherTwist Transceiver	A2670A A2671A

To select Instant Ignition and pre-loaded software, refer to the Software Volume of this guide.

Single Board and Ruggedized Workstations

Model 747i/50 Modular VME Workstation

50MHz PA-RISC Processor with integrated 50MHz Floating Point Co-Processor
 SPECint92 = 49.2 ----- SPECfp92 = 78.8



Standard Features

- Operating Environment: latest version of HP-UX 9.0 Run-Time, 2 user license to use/separate HP Visual User Environment License (1 User)
- HP-IB Instrument Interface
- Rack Mount Flange kit
- IEEE 802.3 Ethernet LAN interface configured with standard ThickNET AUI connector only
- Voice quality Audio input/output
- Two auto selecting power supplies 115V/230V
- Documentation: Owner's Guides, Installation Guide, and General Usage Manuals (HP-UX User's Guide, HP-VUE User's Guide, HP-VUE Quick Start Card (included in Localization Kit) VME Driver Development Guide, VME Configuration Guide for HP-UX)

Total RAM Capacity	128MB
Total Disk Capacity	154GB
Number of EISA slots	2
Number of VME slots	6
Number of internal SCSI II buses	1
Number of Add-on SCSI II buses (available via EISA slot)	2
Internal Storage Constraints	
Maximum number storage devices	3
Maximum number of Disks	3
Maximum number of Removable Media Devices	2
Number of Asynchronous RS-232C ports	2
Number of Centronics Parallel ports	1

MODEL 747i/50 RUGGEDIZED WORKSTATION - Standard Configuration

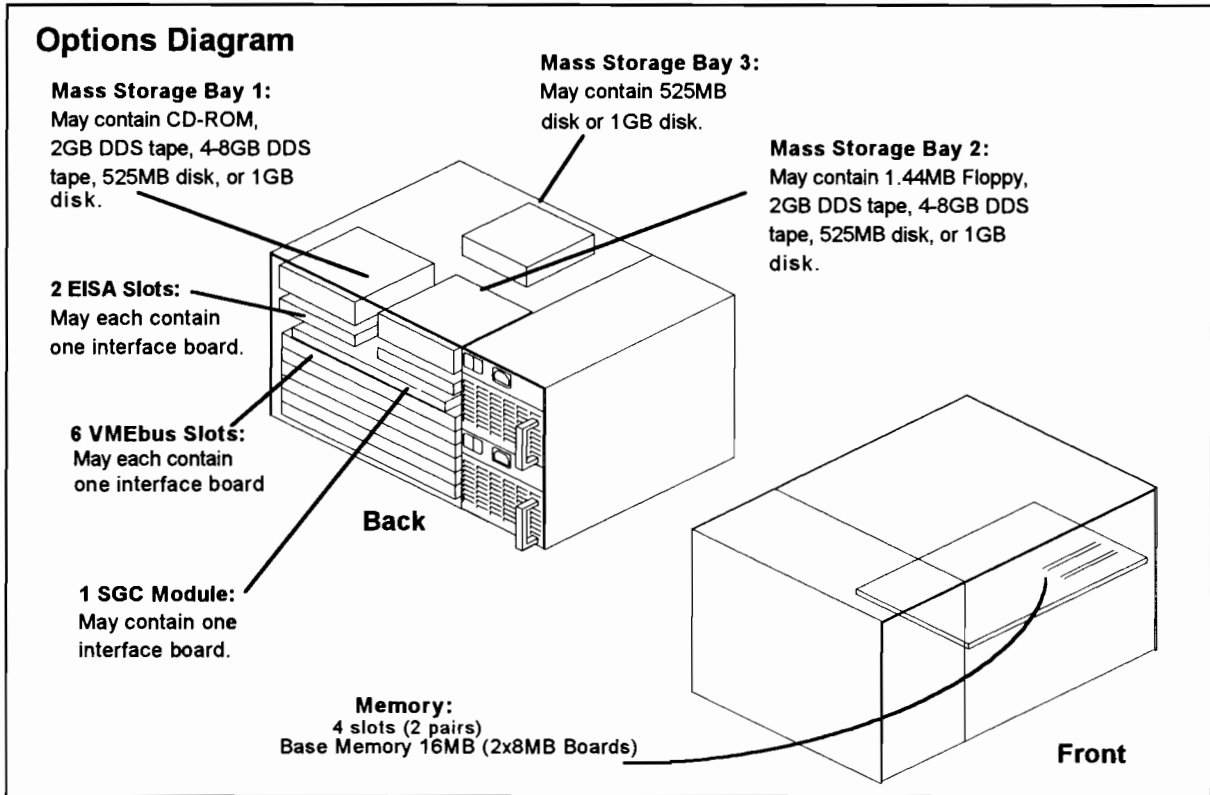
	Product #
1. Required: Select Standard Configuration <input checked="" type="checkbox"/> 747i/50, 15" Color Monitor, 16MB RAM, Diskless	A2639B
1.1 Optional: Replace/Delete Standard Monitor - Select ONE only <input type="checkbox"/> Delete 15" Color Monitor <input type="checkbox"/> Replace 15" Color Monitor with 17" Color Monitor <input type="checkbox"/> Replace 15" Color Monitor with 20" Color Monitor	ADY ADR ADV
1.2 Optional: Additional Factory Integrated Memory - Select ONE only <input type="checkbox"/> Add 16MB memory, for a total of 32MB (two 16MB SIMMs) <input type="checkbox"/> Add 48MB memory, for a total of 64MB (two 32MB SIMMs) <input type="checkbox"/> Add 112MB memory, for a total of 128MB (four 32MB SIMMs)	ANC ANE ANS
1.3 Optional: Additional Factory Integrated Disk/Removable Media for Bay 1 - Select ONE only <input type="checkbox"/> Add 525MB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 1GB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 600MB CD-ROM SCSI II Drive <input type="checkbox"/> Add 2GB DDS SCSI II Tape Drive (may not order with AMY or AMZ) <input type="checkbox"/> Add 4-8GB DDS SCSI II Tape Drive w/Data Compression (may not order with AMY or AMZ)	AT9 AT7 AM8 AMW AMX
1.4 Optional: Additional Factory Integrated Disk/Removable Media for Bay 2- Select ONE only <input type="checkbox"/> Add 525MB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 1GB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 1.4MB SCSI II Floppy Disk Drive <input type="checkbox"/> Add 2GB DDS SCSI II Tape Drive (may not order with AMW or AMX) <input type="checkbox"/> Add 4-8GB DDS SCSI II Tape Drive w/Data Compression (may not order with AMW or AMX)	AT9 AT7 AMB AMY AMZ
1.5 Optional: Additional Factory Integrated Disk for Bay 3 - Select ONE only <input type="checkbox"/> Add 525MB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 1GB Single-Ended SCSI II Disk Drive	AT9 AT7
1.6 Optional: Installation <input type="checkbox"/> Installation	0S4
1.7 Optional: Support Options - Warranty Upgrades - Select ONE Only <input type="checkbox"/> Upgrades warranty to 1-year next-day response <input type="checkbox"/> Upgrades warranty to 1-year 4-hour response <input type="checkbox"/> Upgrades warranty to 1-year next-day response with software phone support <input type="checkbox"/> Upgrades warranty to 1-year 4-hour response with software phone support <input type="checkbox"/> Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response <input type="checkbox"/> Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response with software phone support	0S0 0S1 0S2 0S3 0S5 0S6
2. Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, 2 Power cords & Doc.) <input type="checkbox"/> HP-HIL Keyboard <input type="checkbox"/> PC Style Keyboard	A1099C A2205B
2.1 Required: Select ONE HP-UX Documentation Release <input type="checkbox"/> HP-UX 9.0 Documentation <input type="checkbox"/> No Documentation	APH 0B0
2.2 Required: Localized Option (See Additional Information Section for a complete list) <input type="checkbox"/> North American Local Option <input type="checkbox"/> Other _____	ABA Opt_____
3. Recommended: Ethernet Kit (ThickLAN (AUI) Connector is standard) <input type="checkbox"/> Add-on ThinLAN Ethernet Transceiver <input type="checkbox"/> Add-on EtherTwist Transceiver	A2670A A2671A

To select Instant Ignition and pre-loaded software, refer to the Software Volume of this guide.

Single Board and Ruggedized Workstations

Model 747i/100 Modular VME Workstation

100MHz PA-RISC Processor with integrated 100MHz Floating Point Co-Processor
 SPECint92 = 106.4 ----- SPECfp92 = 155



Standard Features

- Operating Environment: latest version of HP-UX 9.0 Run-Time, 2 user license to use/separate HP Visual User Environment License (1 User)
- HP-IB Instrument Interface
- Rack Mount Flange kit
- IEEE 802.3 Ethernet LAN interface configured with standard ThickNET AUI connector only
- Voice quality Audio input/output
- Two auto selecting power supplies 115V/230V
- Documentation: Owner's Guides, Installation Guide, and General Usage Manuals (HP-UX User's Guide, HP-VUE User's Guide, HP-VUE Quick Start Card (included in Localization Kit) VME Driver Development Guide, VME Configuration Guide for HP-UX)

Total RAM Capacity	256MB
Total Disk Capacity	154GB
Number of EISA slots	2
Number of VME slots	6
Number of internal SCSI II buses	1
Number of Add-on SCSI II buses (available via EISA slot)	2
Internal Storage Constraints	
Maximum number storage devices	3
Maximum number of Disks	3
Maximum number of Removable Media Devices	2
Number of Asynchronous RS-232C ports	2
Number of Centronics Parallel ports	1

MODEL 747i/100 RUGGEDIZED WORKSTATION - Standard Configuration

	Product #
1. Required: Select Standard Configuration <input checked="" type="checkbox"/> 747i/50,15" Color Monitor, 16MB RAM, Diskless <input checked="" type="checkbox"/> Substitute 100MHz CPU for standard 50MHz CPU	A2639B UKA
1.2 Optional: Replace/Delete Standard Monitor - Select ONE only <input type="checkbox"/> Delete 15" Color Monitor <input type="checkbox"/> Replace 15" Color Monitor with 17" Color Monitor <input type="checkbox"/> Replace 15" Color Monitor with 20"Color Monitor	ADY ADR ADV
1.3 Optional: Additional Factory Integrated Memory - Select ONE only <input type="checkbox"/> Add 16MB memory, for a total of 32MB (two 16MB SIMMs) <input type="checkbox"/> Add 48MB memory, for a total of 64MB (two 32MB SIMMs) <input type="checkbox"/> Add 112MB memory, for a total of 128MB (two 64MB SIMMs) <input type="checkbox"/> Add 240MB memory, for a total of 256MB (four 64MB SIMMs)	ANC ANE UFM UFB
1.4 Optional: Additional Factory Integrated Disk/Removable Media for Bay 1 - Select ONE only <input type="checkbox"/> Add 525MB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 1GB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 600MB CD-ROM SCSI II Drive <input type="checkbox"/> Add 2GB DDS SCSI II Tape Drive (may not order with AMY or AMZ) <input type="checkbox"/> Add 4-8GB DDS SCSI II Tape Drive w/Data Compression (may not order with AMY or AMZ)	AT9 AT7 AM8 AMW AMX
1.5 Optional: Additional Factory Integrated Disk/Removable Media for Bay 2- Select ONE only <input type="checkbox"/> Add 525MB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 1GB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 1.4MB SCSI II Floppy Disk Drive <input type="checkbox"/> Add 2GB DDS SCSI II Tape Drive (may not order with AMW or AMX) <input type="checkbox"/> Add 4-8GB DDS SCSI II Tape Drive w/Data Compression (may not order with AMW or AMX)	AT9 AT7 AMB AMY AMZ
1.6 Optional: Additional Factory Integrated Disk for Bay 3 - Select ONE only <input type="checkbox"/> Add 525MB Single-Ended SCSI II Disk Drive <input type="checkbox"/> Add 1GB Single-Ended SCSI II Disk Drive	AT9 AT7
1.7 Optional: Installation <input type="checkbox"/> Installation	0S4
1.8 Optional: Support Options - Warranty Upgrades - Select ONE Only <input type="checkbox"/> Upgrades warranty to 1-year next-day response <input type="checkbox"/> Upgrades warranty to 1-year 4-hour response <input type="checkbox"/> Upgrades warranty to 1-year next-day response with software phone support <input type="checkbox"/> Upgrades warranty to 1 -year 4-hour response with software phone support <input type="checkbox"/> Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response <input type="checkbox"/> Upgrades Warranty to 1-year 7-day (24-hours a day) 4-hour response with software phone support	0S0 0S1 0S2 0S3 0S5 0S6
2. Required: Select ONE Workstation Localization Kit (Keyboard, Mouse, 2 Power cords & Doc.) <input type="checkbox"/> HP-HIL Keyboard <input type="checkbox"/> PC Style Keyboard	A1099C A2205B
2.1 Required: Select ONE HP-UX Documentation Release <input type="checkbox"/> HP-UX 9.0 Documentation <input type="checkbox"/> No Documentation	APH 0B0
2.2 Required: Localized Option (See Additional Information Section for a complete list) <input type="checkbox"/> North American Local Option <input type="checkbox"/> Other _____	ABA Opt_____
3. Recommended Ethernet Kit (ThickLAN (AUI) Connector is standard) <input type="checkbox"/> Add-on ThinLAN Ethernet Transceiver <input type="checkbox"/> Add-on EtherTwist Transceiver	A2670A A2671A

To select Instant Ignition and pre-loaded software, refer to the Software Volume of this guide.

Single Board and Ruggedized Workstations

Customer Name _____

Add-on Products (Field or Customer Installable)

	745i/50	745i/100	743/64
Qty	747i/50	Qty 747i/100	Qty 743/100

Ethernet Kits

Add-on ThinLAN Ethernet transceiver.	A2670A	A2670A	A2670A
Add-on EtherTwist transceiver.	A2671A	A2671A	A2671A

Memory

Add 8MB memory	A2815A	A2815A	A4263A
Add 16MB memory	A2816A	A2816A	A4264A
Add 32MB memory	A2829A	A2829A	A4265A
Add 64MB memory	A2827A	A2827A	A4266A
Add 128MB memory		A2875A	

Internal Storage

Add 525MB Single-Ended SCSI II disk.	A2640A	A2640A	
Add 1GB Single-Ended SCSI II disk.	A2641A	A2641A	
Add 2GB Single-Ended SCSI II disk.	A4322A	A4322A	
Add 1.4MB 3.5" Single-Ended floppy.	A2645A	A2645A	
Add 600MB 5.25" CD-ROM drive.	A2644A	A2644A	
Add 2GB DDS tape drive.	A2642A	A2642A	
Add 4-8GB (with compression) DDS tape drive.	A2643A	A2643A	

Graphics

PowerShade for HP-UX 9.0	B2156C	B2156C	
Provides software on DDS 94mm DAT tape.	AAH	AAH	
CD-ROM Certificate only.	AAU	AAU	
Add 8-Plane Graphics Card			A4267A

EISA Interface

Live Video	Z1100A	Z1100A	
EISA High Speed HP-IB for Instruments.	E2071B	E2071B	
EISA HP-IB for Instruments	E2070A	E2070A	
EISA FAST Differential SCSI II Host Adaptor.	25525B	25525B	
EISA HP-IB Host Adaptor.	25560A	25560A	
EISA LAN/9000-IEEE 802.3	25567B	25567B	
Add Thick MAU tap and 6 meter cable.	740	740	
Add EtherTwist MAU and 1 meter cable.	840	840	
EISA X.25 Link.	J2159A	J2159A	
Provides software on DDS (4mm DAT) tape for HP-UX.	UJC	UJC	
Add RS232 cable.	1AT	1AT	
Add V.35 cable.	1AU	1AU	
Delete software right-to-use & documentation.	1AW	1AW	
EISA 802.5 (IBM) Token Ring network.	J2165A	J2165A	
HP-UX Version 9.0	APH	APH	

Rackmount Kits

Rackmount Kit for 15" Monitor (D1196A)	E3907A	E3907A	
Rackmount Kit for 17" Monitor (A2287A)	E3908A	E3908A	
Replacement Rackmount Kit for 745i	A2261-62020 (replaces 5062-3978)		
Replacement Rackmount Kit for 747i/748i	A2261-62021 (replaces 5062-3981)		

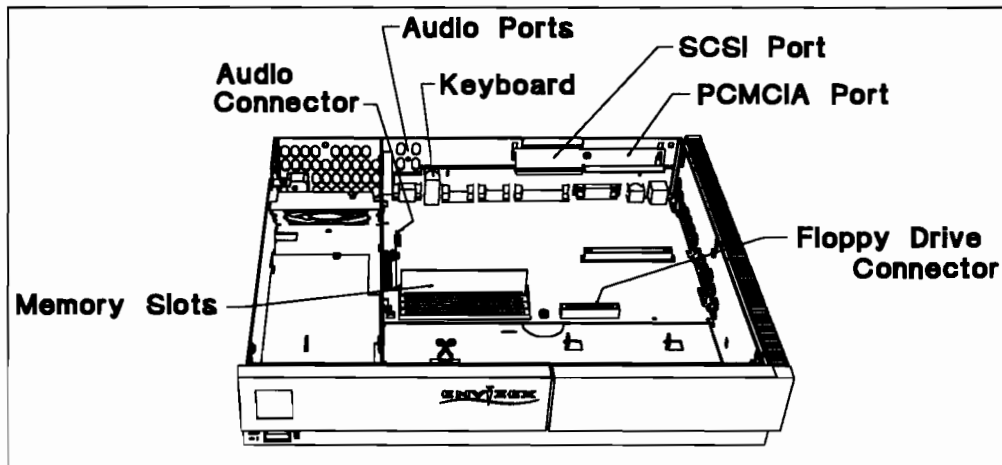
HP ENVIZEX and ENTRIA Product Comparison Matrix

Features	ENVIZEX "a" series	ENVIZEX "i" series	ENTRIA	ENTRIA Ch
Performance (in Xstones)	165,000	115,000	100,000	125,000
RAM (minimum/maximum)	6 to 132 Mbyte	6 to 132 Mbyte	4 to 68 Mbyte	4 to 68 Mbyte
Video RAM	2 Mbytes	1 Mbyte	1 Mbyte	2 Mbyte
Keboards	order separately	order separately	included	included
14" mono (1024 x 768)			Model 14M	
19" mono (1280 x 1024)			Model 19M	
19" grayscale (1280 x 1024)	Model 19Ga			
14" color (1024 x 768)*			Model 14C	
15" color (1024 x 768)*			Model 15C	
17" color (1024 x 768)		Model 17Ci	Model 17C	
17" color (1280 x 1024)	Model 17CaS			Model 17Ch
19" color (1280 x 1024)	Model 19Ca			Model 19Ch
20" color (1280 x 1024)	Model 20CaS			

* also available with 640 x 480 and 800 x 600 resolution.

HP ENVIZEX Stations - The Ultimate Workstation Companion

Options Diagram



Configuration Constraints For Options

Audio kit with microphone	one per ENVIZEX
Stereo headset with built-in microphone	one per ENVIZEX
SCSI/PCMCIA adapter kit	one per ENVIZEX (allows for up to two flash ROMS and/or one ScanJet connection)
Floppy drive	one per ENVIZEX
Memory SIMMs (2, 4, 8, 16, 32 Mbyte)	four slots * (up to 132 Mbytes)
Keyboards available for HP, PC-style, SUN (Type 4) or IBM 3270	one per ENVIZEX

* Four SIMM slots are available. SIMM sizes can be mixed. HP ENVIZEX has 6 Mbytes of standard memory which consists of 4 Mbytes on the processor board plus one 2 Mbytes SIMM module occupying one slot.

Note: HP ENVIZEX stations are also available as multimedia-ready bundles. These bundles come complete with the following factory-installed options: audio kit with microphone, floppy drive, and total of 12 Mbytes of RAM.

HP ENVIZEX Family of X Stations

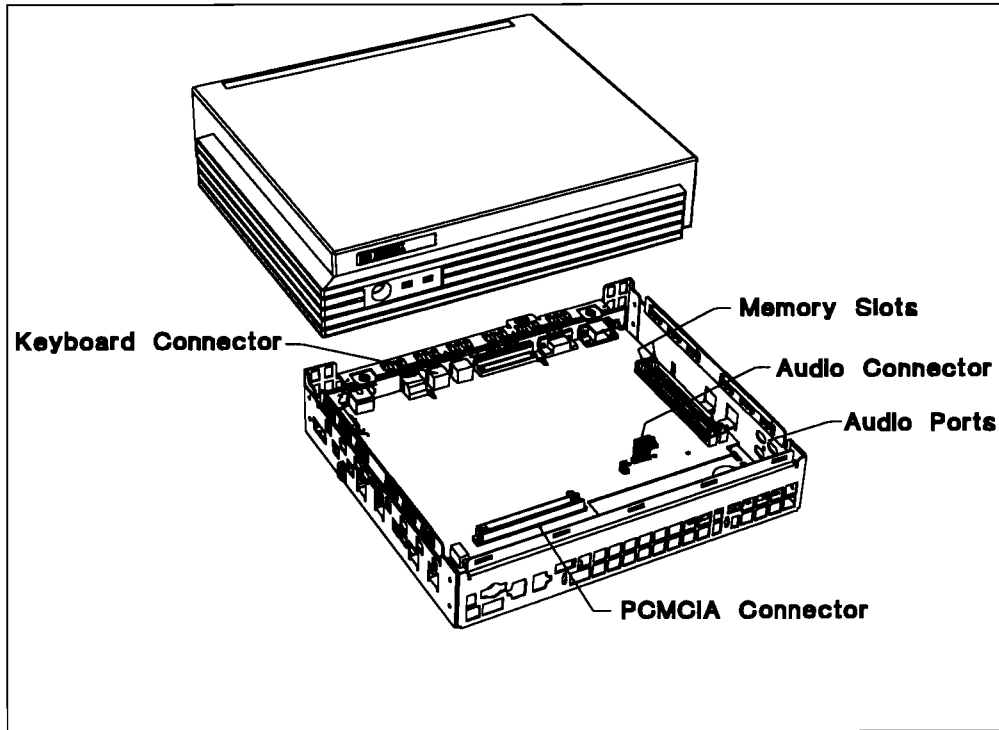
	Product #
1. Required: Select X Terminal model (with or without monitor) *	
<input type="checkbox"/> HP ENVIZEX "i" Series X Station Base Unit with 6 MB RAM	C2730A
<i>Must Select One</i>	
<input type="checkbox"/> No Monitor	001
<input type="checkbox"/> Model 17Ci Color X Station (17" 1024 x 768 monitor)	170
<hr/>	
<input type="checkbox"/> HP ENVIZEX "a" Series X Station Base Unit with 6 MB RAM	C2731A
<i>Must Select One</i>	
<input type="checkbox"/> No Monitor	001
<input type="checkbox"/> Model 19Ga Grayscale X Station (19" 1280 x 1024 monitor)	190
<input type="checkbox"/> Model 17CaS Color X Station (17" 1280 x 1024 monitor)	171
<input type="checkbox"/> Model 19Ca Color X Station (19" 1280 x 1024 monitor)	191
<input type="checkbox"/> Model 20CaS Color X Station (20" 1280 x 1024 monitor)	202
<hr/>	
<input type="checkbox"/> HP ENVIZEX Multimedia "a" Series X Station with 12 MB RAM, CD quality audio and floppy drive	C2732A
<i>Must Select One</i>	
<input type="checkbox"/> No Monitor	001
<input type="checkbox"/> Model 19Ga Multimedia Grayscale X Station (19" 1280 x 1024 monitor)	190
<input type="checkbox"/> Model 17CaS Multimedia Color X Station (17" 1280 x 1024 monitor)	171
<input type="checkbox"/> Model 19Ca Multimedia Color X Station (19" 1280X1024 monitor)	191
<input type="checkbox"/> Model 20CaS Multimedia Color X Station (20" 1280X1024 monitor)	202
<hr/>	
2. Required: Select ONE Keyboard Kit	
<input type="checkbox"/> PC-101/102 local country layout (PS/2 interface) keyboard and powercords	C2737A
<input type="checkbox"/> HP-UJ local country layout (HP-HIL interface) keyboard and powercords	C2738A
<input type="checkbox"/> Sun Type-4 local country layout (PS/2 interface) keyboard and powercords	C2739A
<hr/>	
2.1 Required: Select ONE Localization Option for Keyboard Kit	
<input type="checkbox"/> North American Localization	ABA
<input type="checkbox"/> Other _____ **	Opt: _____
<hr/>	
3. Required: Select HP ENWARE X Station Software (1 copy/site or 1 ROM card/unit)	
<input type="checkbox"/> Multi-Host Software for HP, SUN, IBM and SCO systems on CD-ROM disk	B3651CA
<input type="checkbox"/> Software for HP 9000 Series 300/400 systems on 1/4" Cartridge	B3652CA-AA0
<input type="checkbox"/> Software for HP 9000 Series 300/400 systems on DDS/DAT	B3652CA-AAH
<input type="checkbox"/> Software for HP 9000 Series 700/800 on DDS/DAT cartridge	B3653CA
<input type="checkbox"/> Software for IBM RS/6000 AIX systems on 8mm cartridge	B3654CA
<input type="checkbox"/> Software for Multi-host systems on HP ENVIZEX 4 MB Flash ROM Card (requires C3222A)	B3659CA
<hr/>	
4. Optional: Select HP ENWARE X Terminal Manager Software (1 copy/site)	
HP ENWARE X Terminal Manager Software for centralized administration.	B3670AB
<hr/>	
5. Optional: Select HP ENWARE 3270 (1 license/seat)	
HP ENWARE 3270 software for local IBM 3270 emulation	B3662AB
<hr/>	
6. Optional: Select Memory (maximum 2 modules: customer installable)	
<input type="checkbox"/> 2 Mbyte Memory Module (DRAM SIMM)	C2321A
<input type="checkbox"/> 4 Mbyte Memory Module (DRAM SIMM)	C2322A
<input type="checkbox"/> 8 Mbyte Memory Module (DRAM SIMM)	C2323A
<input type="checkbox"/> 16 Mbyte Memory Module (DRAM SIMM)	C2747A
<input type="checkbox"/> 32 Mbyte Memory Module (DRAM SIMM)	C2748A
<hr/>	
7. Optional: Select Optional Accessories	
<input type="checkbox"/> Audio kit with CD-quality (includes microphone)	C3220A
<input type="checkbox"/> 3 1/2" floppy drive kit with 1.44MB MB DOS format	C3221A
<input type="checkbox"/> HP ENVIZEX adapter card kit with SCSI interface and two PCMCIA slots	C3222A

*consult technical data sheet for a complete list of available southern hemisphere options.

** consult technical data sheet for a complete list of available country localization options.

HP ENTRIA X Terminals - The Ultimate Terminal Upgrade

Options Diagram



Configuration Constraints for Options

Audio kit with microphone	one per ENTRIA
Stereo headset with built-in microphone	one per ENTRIA
PCMCIA adapter kit	one kit per ENTRIA allows for one Flash ROM
Memory SIMMs (2, 4, 8, 16, 32 Mbyte)	two slots* (up to 68 Mbytes)
Keyboards available for PC101/102, IBM 3270 style, Sun (Type 4)	one per ENTRIA

* Two SIMM slots are available. SIMM sizes can be mixed. HP ENTRIA has 4 Mbytes on the processor board. The High Memory models have a 4 Mbyte SIMM factory-installed module occupying one slot (total 8 Mbytes).

HP ENTRIA Family of X-Terminals

	Product #
1. Required: Select X Terminal model (with or without monitor) *	
<input type="checkbox"/> HP ENTRIA Model 14M Monochrome X Terminal with 4 MB RAM (14" 1024 x 768 monitor)	C3233A
<input type="checkbox"/> HP ENTRIA Hi-Res Monochrome X Terminal Base Unit with 4 MB RAM	C3231A
<i>Must Select One</i>	
<input type="checkbox"/> No Monitor	001
<input type="checkbox"/> Model 19M HiRes Monochrome X Terminal (19" 1280 x 1024 monitor)	190
<input type="checkbox"/> HP ENTRIA Color X Terminal Base Unit with 4 MB RAM	C3230A
<i>Must Select One</i>	
<input type="checkbox"/> No Monitor	001
<input type="checkbox"/> Model 14C Color X Terminal (14" 1024 x 768 monitor)	140
<input type="checkbox"/> Model 15C Color X Terminal (15" 1024 x 768 monitor)	150
<input type="checkbox"/> Model 17C Color X Terminal (17" 1024 x 768 monitor)	170
<input type="checkbox"/> HP ENTRIA Color X Terminal Base Unit with 8 MB RAM	C3235A
<i>Must Select One</i>	
<input type="checkbox"/> No Monitor	001
<input type="checkbox"/> Model 14C Color X Terminal (14" 1024 x 768 monitor)	140
<input type="checkbox"/> Model 15C Color X Terminal (15" 1024 x 768 monitor)	150
<input type="checkbox"/> Model 17C Color X Terminal (17" 1024 x 768 monitor)	170
<input type="checkbox"/> HP ENTRIA Hi-Res Color X Terminal Base Unit with 4 MB RAM	C3234A
<i>Must Select One</i>	
<input type="checkbox"/> No Monitor	001
<input type="checkbox"/> Model 17Ch Hi-Res Color X Terminal (17" 1280x1024 monitor)	171
<input type="checkbox"/> Model 19Ch Hi-Res Color X Terminal (19" 1280x1024 monitor)	191
<input type="checkbox"/> HP ENTRIA Hi-Res Color X Terminal Base Unit with 8 MB RAM	C3237A
<i>Must Select One</i>	
<input type="checkbox"/> No Monitor	001
<input type="checkbox"/> Model 17Ch Hi-Res Color X Terminal (17" 1280x1024 monitor)	171
<input type="checkbox"/> Model 19Ch Hi-Res Color X Terminal (19" 1280x1024 monitor)	191
2. Required: Select ONE Localized Keyboard Kit	
<input type="checkbox"/> North American Localization with PC-101 Keyboard	ABA
<input type="checkbox"/> _____ Localization with PC-101 Keyboard**	Opt: _____
<input type="checkbox"/> North American Localization with 3270 Keyboard**	321
<input type="checkbox"/> _____ Localization with 3270 Keyboard	Opt: _____
3. Required: Select HP ENWARE X Station Software (1 copy/site or 1 ROM card/unit)	
<input type="checkbox"/> Multi-Host Software for HP, SUN, IBM and SCO systems on CD-ROM disk	B3651CA
<input type="checkbox"/> Software for HP 9000 Series 300/400 systems on 1/4" Cartridge	B3652CA-AA0
<input type="checkbox"/> Software for HP 9000 Series 300/400 systems on DDS/DAT	B3652CA-AAH
<input type="checkbox"/> Software for HP 9000 Series 700/800 on DDS/DAT cartridge	B3653CA
<input type="checkbox"/> Software for IBM RS/6000 AIX systems on 8mm cartridge	B3654CA
<input type="checkbox"/> Software for Multi-host systems on HP ENTRIA 4 MB Flash ROM Card (requires C3240A)	B3687CA
4. Optional: Select HP ENWARE X Terminal Manager Software (1 copy/site)	
HP ENWARE X Terminal Manager Software for centralized administration.	B3670AA
5. Optional: Select HP ENWARE 3270 (1 license/seat)	
HP ENWARE 3270 software for local IBM 3270 emulation	B3662AB
6. Optional: Select Memory (maximum 2 modules: customer installable)	
<input type="checkbox"/> 2 Mbyte Memory Module (DRAM SIMM)	C2321A
<input type="checkbox"/> 4 Mbyte Memory Module (DRAM SIMM)	C2322A
<input type="checkbox"/> 8 Mbyte Memory Module (DRAM SIMM)	C2323A
<input type="checkbox"/> 16 Mbyte Memory Module (DRAM SIMM)	C2747A
<input type="checkbox"/> 32 Mbyte Memory Module (DRAM SIMM)	C2748A
7. Optional: Select Optional Accessories	
<input type="checkbox"/> Audio kit with CD-quality (includes microphone)	C3220A
<input type="checkbox"/> ENTRIA PCMCIA adapter card	C3240A
<input type="checkbox"/> ENTRIA side stand	C3242A

*consult technical data sheet for a complete list of available southern hemisphere options.

** consult technical data sheet for a complete list of available country localization options.

Enter X in Brackets

Customer Name: _____

Upgrades

	From <i>(with Prerequisite)</i>	To	Return to Factory	Product Number
[]	Model 705 <i>Color, HP-UX 9.0 and MAU</i>	▶ Model 715/50	705 CPU	A2835A
[]	Model 710 <i>Color, HP-UX 9.0 and MAU</i>	▶ Model 715/50	710 CPU	A2836A
[]	Model 715/33 <i>19" Color/Grayscale 32MB RAM, EISA</i>	▶ Model 715/50	715/33 CPU	A2805A
[]	Model 715/33 <i>19" Color/Grayscale 32MB, 525MB Disk, EISA</i>	▶ Model 715/75	715/33 CPU	A2806A
[]	Model 715/33 <i>Graphics must be exchanged</i>	▶ Model 715/64	715/33 CPU	A4142A
[]	CRX-24	▶ HCRX-24	CRX-24	UEN
[]	CRX-24Z	▶ HCRX-24Z	CRX-24Z	UEP
[]	Model 715/33 <i>Graphics must be exchanged</i>	▶ Model 715/100	715/33 CPU	A4143A
[]	CRX-24	▶ HCRX-24	CRX-24	UEN
[]	CRX-24Z	▶ HCRX-24Z	CRX-24Z	UEP
[]	Model 715/50 <i>32MB RAM, 525MB Disk</i>	▶ Model 715/75	715/50 CPU	A2807A
[]	Model 715/50 <i>Graphics must be exchanged</i>	▶ Model 715/100	715/50 CPU	A4144A
[]	CRX-24	▶ HCRX-24	CRX-24	UEN
[]	CRX-24Z	▶ HCRX-24Z	CRX-24Z	UEP
[]	SGC Interface Card (for CRX-48Z)	▶ GSC Interface Card	SGC Interface Card	055
[]	Model 715/64	▶ Model 715/100	715/64 CPU	A4148A
[]	Model 715/75 <i>Graphics must be exchanged</i>	▶ Model 715/100	715/75 CPU	A4145A
[]	CRX-24	▶ HCRX-24	CRX-24	UEN
[]	CRX-24Z	▶ HCRX-24Z	CRX-24Z	UEP
[]	SGC Interface Card (for CRX-48Z)	▶ GSC Interface Card	SGC Interface Card	055
[]	Model 715/80	▶ Model 715/100	715/80 CPU	A4149A
[]	Model 720 <i>EISA Upgrade & HP-UX 9.0</i>	▶ Model 735 ThinNET LAN AUI FDDI	720 CPU	A2605A 033 008 009
[]	Model 720 <i>EISA Upgrade & HP-UX 9.0</i>	▶ Model 735/125 ThinNET LAN AUI FDDI	720 CPU	A4052A 033 008 009
[]	Model 725/50	▶ Model 725/75	725/50 CPU	A2808A
[]	Model 730 <i>HP-UX 9.0</i>	▶ Model 735 ThinNET LAN AUI FDDI	730 CPU	A2606A 033 008 009
[]	Model 730 <i>HP-UX 9.0</i>	▶ Model 735/125 ThinNET LAN AUI FDDI	730 CPU	A4051A 033 008 009
[]	Model 735	▶ Model 735/125	735 CPU	A4050A
[]	Model 750 <i>HP-UX 9.0</i>	▶ Model 755 FDDI LAN AUI	750 CPU	A2248AU 009 AL9
[]	Model 745i/50 or 747i/50 <i>HP-UX 9.0</i>	▶ Model 745i/100 or Model 747i/100	745i/50 CPU 747i/50 CPU	A2628A

Enter X in Brackets

Customer Name: _____

	From <i>(with Prerequisite)</i>	To	Return to Factory	Product Number
Graphics Upgrades				
[]	Model 715/33, 715/50, 715/75, 725/50 or 725/75 (with available EISA Slot)			
[]	19" Color →	CRX-24		A2673A
[]	CRX-24 →	CRX-24Z		A2674A
[]	Model 715/50, 725/50, 715/75 & 725/75 (with avail. EISA Slot)			
[]	19" Color →	CRX-48Z		A2675A
[]	Model 715/64, 715/80, 715/100 (with available EISA Slot)			
[]	Integrated Color →	HCRX-8		A4070A
[]	HCRX-8 →	HCRX-8Z		A4072A
[]	Integrated Color →	HCRX-24		A4071A
[]	HCRX-24 →	HCRX-24Z		A4072A
[]	Model 735 or 755			
[]	CRX-24Z →	CRX-48Z	CRX-24Z graphics interface	A2666A
[]	PVRX →	CRX-48Z (includes monitor)	PVRX graphics interface	A2667A
[]	Model 720, 730, 735, 750, 755			
[]	Server →	CRX		98768A
[]	CRX →	CRX-24		A2271A
[]	CRX-24 →	CRX-24Z		A1454A
[]	Model 750, 755			
[]	Dual CRX →	Quad CRX dual CRX and two Monitors		A2269A
[]	CRX-24 →	Dual CRX-24		A2270A
[]	Series 700			
[]	PVRX →	CRX-24	PVRX graphics interface	A2272A
[]	Series 747			
[]	Color →	CRX		98768A
[]	Color →	Dual CRX		A2269A
[]	CRX →	CRX-24		A2271A
Networking Upgrades				
[]	Model 735			
[]	ThinNET or ThickNET →	FDDI replaces ThinNET or ThickNET		A2665A
[]	ThinNET or FDDI →	ThickNET replaces ThinNET or FDDI		A2658A
[]	ThickNET or FDDI →	ThinNET replaces ThickNET or FDDI		A2831A
[]	Model 755			
[]	Model 755 →	Add FDDI		A2654A
Disk Upgrades				
[]	Model 735			
[]	1GB Single-Ended Disk →	1GB Fast Wide Disk Add Second Fast-Wide Disk		A2832A AT8

Enter Quantity in Brackets

Customer Name _____

External Desktop Devices and Storage - Field or Customer Installable

PRINTERS AND PLOTTERS

		Product #
[]	PC Peripheral Products Price List	5091-8910EUS
[]	HP Supplies and Accessories Price List	5091-8909EUS

MONITORS

		Product #
[]	20 inch Multi-Sync (1280x1024, 1024x768) Color Monitor (incl. power cord)	A4033A
[]	17 inch Multi-Sync (1280x1024, 1024x768) Color Monitor (incl. power cord)	A4032A
[]	17 inch 1024x768 Color Monitor (incl. power cord)	A2287A
[]	11.8 inch 1024x768 Flat Panel Color Display (incl. power cord)* * HP 9000 Model 712 ONLY	A2882A
[]	15 inch 1024x768 Color Monitor (power cord NOT INCLUDED) Required: Power Cord Selections for D1196A - Must Select ONE:	D1196A
[]	U.S. Power Cord (other Country options available)	ABA

HEADSETS - Professional Headsets for Telemarketing and Multimedia Applications (See TeleShare and MPower)

[]	Supra Stereo, CD-Quality stereo headband style with microphone	A4370A
[]	Supra, Monaural headband style with microphone	A4371A
[]	Supra NC, Monaural headband style with noise cancelling microphone	A4372A
[]	Supra Binaural, Dual receiver headband style with microphone	A4373A
[]	Supra Binaural NC, Dual receiver headband style with noise cancelling microphone	A4374A
[]	Mirage, Over-the-ear capsule design, no headband	A4375A
Optional: Headset Accessories (Recommend Six Month Replacement) *:		
[]	Replacement Voice Tube	A4376A
[]	Supra Replacement Ear Cushions (1 pair/black)	A4377A
[]	Supra Replacement Stereo Ear Cushions (1 pair/black)	A4378A
[]	Replacement Foam Windscreen for Noise Cancelling Microphones * Other Headset replacement parts available through HP Parts Direct Ordering (SMO)	A4379A

DESKTOP STORAGE DEVICES - Single-Ended SCSI II:

[]	1GB Single-Ended SCSI II Disk Drive (includes Cable (C2908A), Self Terminating)	A2657A
[]	600MB CD-ROM Drive standalone (includes Cable (C2908A), Self Terminating)	A2655A
[]	2GB DDS Drive (includes Cable (C2908A), Self Terminating)	A2656A
[]	2GB DDS Drive (includes Cable (K2296) and Terminator (K2291)) *	C1520B
[]	4-8GB DDS Drive w/ Data Compression (includes Cable (K2296) and Terminator (K2291)) * * Not Recommended with HP 9000 Model 712	C1521B
Optional: SCSI Cables (additional lengths are available):		
[]	From other Single-Ended SCSI II Peripheral High-Density to Low-Density (part of chain) .9m**	K2296
[]	From other Single-Ended SCSI II Peripheral High-Density to High-Density (part of chain) 1m**	C2908A
** Please see SCSI II Overview for more information regarding SCSI Cables, Connectors and Restrictions.		

Enter Quantity in Brackets

Customer Name _____

External Storage - Field or Customer Installable

MASS STORAGE MINI-TOWERS - Single-Ended SCSI II: Select ONE		Product #
<input type="checkbox"/>	Mini Tower with 1GB Disk and 2GB DDS tape (SCSI Cables/Terminators NOT Included)	C3020T
<input type="checkbox"/>	Mini Tower w/2GB Disk and 8GB DDS tape w/Data Comp.(SCSI Cables/Terms. NOT Incl.)	C3021T
<input type="checkbox"/>	Mini Tower with one (1) 1GB Disk (SCSI Cables/Terminators NOT Included)	C3022T
<input type="checkbox"/>	Mini Tower with one (1) 2GB Disk (SCSI Cables and Terminators NOT Included)	C3023T
<input type="checkbox"/>	Mini Tower with two (2) 2GB Disks (SCSI Cables and Terminators NOT Included)	C3024T
Required: Selections for Mini-Towers:		
<input checked="" type="checkbox"/>	S700 Firmware installation (Required for C3022T, C3023T, and C3024T).	001
<input type="checkbox"/>	Field Service Installation into Mass Storage Towers (other Field Service options available)	0S4
<input type="checkbox"/>	U.S. Localization & Manuals (other Localization options available)	ABA
Required: SCSI Cables/Terminators are NOT Included with Mini-Towers:		
<input type="checkbox"/>	0.9M SCSI II cable (from S700 to Peripheral), additional lengths available	K2296
<input type="checkbox"/>	0.5M SCSI II cable (from Peripheral to Peripheral), additional lengths available	92222A
<input type="checkbox"/>	Terminator for Single-Ended SCSI II (for last HP Peripheral, order Terminator)	K2291
** Please see SCSI II Overview for more information regarding SCSI Cables, Connectors and Restrictions.		

EXPANSION KITS, MASS STORAGE MINI-TOWER - Single-Ended SCSI II: Select ONE:		
<input type="checkbox"/>	Add 1GB Disk	C3027U
<input type="checkbox"/>	Add 2GB Disk	C3028U
<input type="checkbox"/>	Add 600MB CD-ROM	C3560U
<input type="checkbox"/>	Add 2GB DDS Tape Drive	C2297U
<input type="checkbox"/>	Add 8GB DDS Tape Drive with compression	C2298U
Required: Selections for Expansion Kits:		
<input checked="" type="checkbox"/>	S700 Firmware installation (Required for C3027U and C3028U)	001
<input type="checkbox"/>	Field Service Installation into Mass Storage Towers (other Field Service options available)	0S4

MASS STORAGE MINI-TOWERS - Fast/Wide or EISA Differential SCSI Interface, Select ONE:		
<input type="checkbox"/>	Mini Tower with one (1) Fast/Wide SCSI II 1GB Disk (SCSI Cables/Terms. NOT Included)	C3032T
<input type="checkbox"/>	Mini Tower with one (1) Fast/Wide SCSI II 2GB Disk (SCSI Cables/Terms. NOT Included)	C3033T
<input type="checkbox"/>	Mini Tower with two (2) Fast/Wide SCSI II 2GB Disks (SCSI Cables/Terms NOT Included)	C3034T
<input type="checkbox"/>	Mini Tower with four (4) Fast/Wide SCSI II 1GB Disks (SCSI Cables/Terms. NOT Included)	C3035T
Required: Selections for Mini-Towers:		
<input checked="" type="checkbox"/>	S700 Firmware Installation (Required for all C303xT Mini-Towers).	001
<input type="checkbox"/>	Field Service Installation into Mass Storage Towers (other Field Service options available)	0S4
<input type="checkbox"/>	U.S. Localization & Manuals (other Localization options available)	ABA
Required: SCSI Cables/Terminators are NOT Included with Mini-Towers:		
<input type="checkbox"/>	0.9M Fast/Wide SCSI Interface cable (additional lengths available)	C2911A
<input type="checkbox"/>	2M Differential SCSI EISA Interface cable (additional lengths available)	C2906A
<input type="checkbox"/>	Terminator for Fast/Wide SCSI II (for last HP Peripheral, order Terminator)	C2905A
** Please see SCSI II Overview for more information regarding SCSI Cables, Connectors and Restrictions.		

EXPANSION KITS, MASS STORAGE MINI-TOWER - Fast/Wide or EISA Differential SCSI Interface: Select ONE		
<input type="checkbox"/>	Add 1GB Fast/Wide Disk (Mini-Towers should be restricted to less than seven(7) devices).	C3037U
<input type="checkbox"/>	Add 2GB Fast/Wide Disk (Mini-Towers should be restricted to less than seven(7) devices).	C3038U
Required: Selections for Expansion Kits:		
<input checked="" type="checkbox"/>	S700 Firmware Installation	001
<input type="checkbox"/>	Field Service Installation into Mass Storage Towers (other Field Service options available)	0S4

Enter Quantity in Brackets

Customer Name _____

External Storage - Field or Customer Installable

TAPE DRIVES, 0.5 Inch, Standalone, Single-Ended SCSI II:		Product #
<input type="checkbox"/>	1600 bpi, autoloader, 0.5 inch Tape Drive (includes Cable (K2296) & Terminator (K2291))	7979S
<input type="checkbox"/>	1600/6250 bpi, autoloader, 0.5 inch Tape Drive (includes Cable(K2296) & Terminator(K2291))	7980A
<input type="checkbox"/>	1600/6250/6250XC bpi, autoloader, 0.5 inch Tape Drive (incl. Cable (K2296) and Term (K2291))	7980SX
Required: Voltage Selections - Must Select ONE		
<input type="checkbox"/>	110 Voltage	010
<input type="checkbox"/>	220 Voltage	022
<input type="checkbox"/>	200 Voltage (220 to 240 Voltage)	0E3
Required: Factory Integrated Options - Must Select ONE		
<input type="checkbox"/>	Specifies standard 1600/6250 bpi density (Must order with 7980SX)	200
<input type="checkbox"/>	Adds 800 bpi density to standard 1600/6250 bpi drive (Not available with 7980SX)	800
Required: Cabinet Selections - Must Select ONE		
<input type="checkbox"/>	Cabinet accomodating two drives	100
<input type="checkbox"/>	Internal Tape Drive ONLY, deletes cabinet, door & panel (drive ships separate/field installed)	133
Required: Power Cord Selections - Must Select ONE		
<input type="checkbox"/>	U.S. Power Cord (other Country options available)	ABA
Optional: SCSI Cables (additional lengths available):		
<input type="checkbox"/>	0.9M SCSI II cable (from S700 to SCSI II Peripheral)	K2296
<input type="checkbox"/>	0.5M SCSI II cable (from SCSI II Peripheral to SCSI II Peripheral)	92222A
<input type="checkbox"/>	Terminator for Single-Ended SCSI II (for last HP Peripheral, order Terminator)	K2291
** Please see SCSI II Overview for more information regarding SCSI Cables, Connectors and Restrictions.		

Enter Quantity in Brackets

Customer Name _____

External Storage - Field or Customer Installable

OPTICAL STORAGE DEVICES, Standalone, Single-Ended SCSI II, Rewriteable/Write-Once, 1X/2X:		Product #
<input type="checkbox"/>	Model 1300T Optical Subsystem, 1.3GB drive (includes Terminator(K2291))	C2550B
<input type="checkbox"/>	Model 20LT Optical Jukebox, 20GB - 16 Disk capacity, 2X drive	C1708T
<input type="checkbox"/>	Model 40T Optical Jukebox, 40GB - 32 Disk capacity, two-2X drives	C1700T
<input type="checkbox"/>	Model 120T Opt. Jukebox, 114GB - 88 Disk capacity, four-2X drives	C1704T
<input type="checkbox"/>	Model 200T Opt. Jukebox, 187GB-144 Disk capacity, four-2X drives	C1705T
Required: Additional Options - Must Select ONE		
<input type="checkbox"/>	U.S. Power Cord (other Country options available)	ABA
Required: SCSI Cables (additional lengths available):		
<input type="checkbox"/>	0.9M SCSI II cable (from S700 to SCSI II Peripheral)	K2296
<input type="checkbox"/>	0.5M SCSI II cable (from SCSI II Peripheral to SCSI II Peripheral)	92222A
<input type="checkbox"/>	Terminator for Single-Ended SCSI II (for last HP Peripheral, order Terminator)	K2291
Please see SCSI II Overview for more information regarding SCSI Cable Restrictions.		

OPTICAL MEDIA, Rewritable and Write-Once, 1X and 2X Capacity		
Optical Media - 2X Capacity:		
<input type="checkbox"/>	8-pack, 1.2Gbyte Rewritable Optical Media, 5.25 inch, 512byte sector format. Formatted.	C2588T
<input type="checkbox"/>	8-pack, 1.3Gbyte Rewritable Optical Media, 5.25 inch, 1024byte sector format. Formatted.	C2589T
<input type="checkbox"/>	8-pack, 1.2Gbyte Write-Once Optical Media, 5.25 inch, 512byte sector format. Formatted.	C2590T
<input type="checkbox"/>	8-pack, 1.3Gbyte Write-Once Optical Media, 5.25 inch, 1024byte sector format. Formatted.	C2591T
<input type="checkbox"/>	1.2Gbyte Rewritable Optical Media, 5.25 inch, 512byte sector format. Formatted.	92279T
<input type="checkbox"/>	1.3Gbyte Rewritable Optical Media, 5.25 inch, 1024byte sector format. Formatted.	92280T
<input type="checkbox"/>	1.2Gbyte Write-Once Optical Media, 5.25 inch, 512byte sector format. Formatted.	92289T
<input type="checkbox"/>	1.3Gbyte Write-Once Optical Media, 5.25 inch, 1024byte sector format. Formatted.	92290T
Optical Media - 1X Capacity:		
<input type="checkbox"/>	8-pack, 600Mbyte Rewritable Optical Media, 5.25 inch, 512byte sector format. Formatted.	C2588A
<input type="checkbox"/>	8-pack, 650Mbyte Rewritable Optical Media, 5.25 inch, 1024byte sector format. Formatted.	C2589A
<input type="checkbox"/>	8-pack, 600Mbyte Write-Once Optical Media, 5.25 inch, 512byte sector format. Formatted.	C2590A
<input type="checkbox"/>	8-pack, 650Mbyte Write-Once Optical Media, 5.25 inch, 1024byte sector format. Formatted.	C2591A
<input type="checkbox"/>	600Mbyte Rewritable Optical Media, 5.25 inch, 512byte sector format. Formatted.	92279A
<input type="checkbox"/>	650Mbyte Rewritable Optical Media, 5.25 inch, 1024byte sector format. Formatted.	92280A
<input type="checkbox"/>	600Mbyte Write-Once Optical Media, 5.25 inch, 512byte sector format. Formatted.	92289A
<input type="checkbox"/>	650Mbyte Write-Once Optical Media, 5.25 inch, 1024byte sector format. Formatted.	92290A

External Storage - Field or Customer Installable

	Product #
DISK ARRAYS, Standalone, Fast/Wide SCSI II (or EISA Differential Interface).	
<input type="checkbox"/> 10GB Fast/Wide SCSI Array, Five (5) 2GB Disks(5.25 inch), Controller, Rails, and Bezel *	C2440HA
<input type="checkbox"/> 6GB Fast/Wide SCSI Array, Three(3) 2GB Disks(5.25 inch), Controller, Rails and Bezel *	C2439HA
<input type="checkbox"/> 5GB Fast/Wide SCSI Array, Five (5) 1GB Disks(3.5 inch), Controller, Rails and Bezel *	C2437HA
<input type="checkbox"/> 3GB Fast/Wide SCSI Array, Three (3) 1GB Disks(3.5 inch), Controller, Rails and Bezel *	C2436HA
* Includes SCSI Cable (C2911A), Order Terminator(C2905A) Separately.	
Required: CABINETS, Fast/Wide SCSI-II Disk Arrays (Note Required Cab. Selections):	
<input type="checkbox"/> LARGE CAPACITY CABINET, 1.6M height, 19-inch. Capacity of 5 Fast/Wide Disk Arrays Up to five Fast/Wide Disk Arrays may be rackmounted(220V/240V Options only).	C2786A
Required: Voltage Selections for C2786A (Other Voltages Available) - Must Select ONE:	
<input type="checkbox"/> 110/120 Voltage, North America	AW3
<input type="checkbox"/> 220/240 Voltage, North America	AW4
<input type="checkbox"/> CABINET, 1.1M height, 19-inch. Capacity of 3 Fast/Wide Disk Arrays Up to three Fast/Wide Disk Arrays may be rackmounted, top extractor fan must be ordered	C2785A
Required: Top Extractor Fan for C2785A. Must Select ONE:	
<input type="checkbox"/> Top Extractor Fan, 110/120 Volt	E4470A
<input type="checkbox"/> Top Extractor Fan, 220/240 Volt	E4471A
Required: Voltage Selections for C2785A (Other Voltages Available) - Must Select ONE:	
<input type="checkbox"/> 110/120 Voltage, North America	AW3
<input type="checkbox"/> 220/240 Voltage, North America	AW4
Required: Language Selections for C2440HA, C2439HA, C2437HA and C2436HA. Must Select ONE:	
<input type="checkbox"/> English Language Manual (Other Languages Available)	ABA
Required: HP-UX 9.01 and 9.03 Patch Kit for C24xxHA Disk Arrays:	
<input checked="" type="checkbox"/> Patch Update Tape (DAT) for operation on HP-UX 9.01 and 9.03 Series 700 workstations	C3302A
Required: SCSI Terminators are NOT Included with Disk Arrays:	
<input type="checkbox"/> Terminator for Fast/Wide SCSI II (for last HP Peripheral, order Terminator) **	C2905A
Optional: Disk Array Replacement Disks and Upgrades:	
<input type="checkbox"/> Add 2GB Disk module (5.25 inch) for C2439HA	C2438A
<input type="checkbox"/> Add 1GB Disk module (3.5 inch) for C2436HA	C2435A
Optional: SCSI Cables/Terminators (Fast/Wide Cable INCLUDED with Disk Array):	
<input type="checkbox"/> 2.5M Fast/Wide SCSI Interface cable (additional lengths available) **	C2924A
<input type="checkbox"/> 2M Differential SCSI EISA Interface cable (additional lengths available) **	C2906A
** Please see SCSI II Overview for more information regarding SCSI Cables, Connectors and Restrictions.	
DISK MODULES, Disk Arrays, Fast/Wide SCSI II (or EISA Differential Interface).	
<input type="checkbox"/> Add/Replacement 2GB Disk module (5.25 inch) for C2439HA	C2438A
<input type="checkbox"/> Add/Replacement 1GB Disk module (3.5 inch) for C2436HA	C2435A

Enter Quantity in Brackets

Customer Name _____

External Storage - Field or Customer Installable

SINGLE-ENDED CABLES, High Density SCSI II to High Density SCSI II Peripherals and S700 Systems		Product #
Use cables below to 'daisy-chain' between Single-Ended Peripherals and S700 Systems		
50pin High Density Thumbscrew to 50pin High Density Thumbscrew Connection:		
[]	From other Single-Ended SCSI II Peripheral High-Density to High-Density (part of chain)0.5m	C2955A
[]	From other Single-Ended SCSI II Peripheral High-Density to High-Density (part of chain) 1m	C2908A
[]	From other Single-Ended SCSI II Peripheral High-Density to High-Density (part of chain) 1.5m	C2956A
[]	From other Single-Ended SCSI II Peripheral High-Density to High-Density (part of chain) 2m	C2957A
[]	From other Single-Ended SCSI II Peripheral High-Density to High-Density (part of chain) 5m	C2958A
[]	Terminator for Single-Ended SCSI II (for last HP Peripheral, order Terminator)	C2904A

SINGLE-ENDED CABLES, High Density SCSI II to Low Density SCSI II Peripherals and S700 Systems		
Use cables below to 'daisy-chain' between Single-Ended Peripherals and S700 Systems		
50pin High Density Thumbscrew to 50pin Low Density Ball Lock Connection:		
[]	From other Single-Ended SCSI II Peripheral High-Density to Low-Density (part of chain)0.9m	K2296
[]	From other Single-Ended SCSI II Peripheral High-Density to Low-Density (part of chain) 1.5m	K2297
[]	Terminator for Single-Ended SCSI II (for last HP Peripheral, order Terminator)	K2291

SINGLE-ENDED CABLES, Low Density SCSI II to Low Density SCSI II Peripherals		
Use cables below to 'daisy-chain' between Single-Ended Peripherals and S700 Systems		
50pin Low Density Ball Lock to 50pin Low Density Ball Lock Connection:		
[]	From other Single-Ended SCSI II Peripheral (Male to Male)0.5m	92222A
[]	From other Single-Ended SCSI II Peripheral (Male to Male) 1m	92222B
[]	From other Single-Ended SCSI II Peripheral (Male to Male) 2m	92222C
[]	From other Single-Ended SCSI II Peripheral (Male to Female) 1m	92222D
[]	Terminator for Single-Ended SCSI II (for last HP Peripheral, order Terminator)	K2291

FAST/WIDE CABLES, HP 9000 Model 735 and 755.		
Use cables below to 'daisy-chain' between Fast/Wide Peripherals and Fast/Wide S700 Systems		
[]	0.9M Fast/Wide SCSI II cable	C2911A
[]	2.5M Fast/Wide SCSI II cable	C2924A
[]	10.0M Fast/Wide SCSI II cable	C2925A
[]	20.0M Fast/Wide SCSI II cable	C2926A
[]	REQUIRED Terminator for Fast/Wide SCSI II (for last HP Peripheral, order Terminator)	C2905A

DIFFERENTIAL ADAPTOR CABLES, HP 9000 Model 700 EISA (25525B) Interface ONLY		
Use cables below to connect Fast/Wide Peripherals and Differential EISA Interface (S700)		
[]	2M Fast/Wide SCSI II cable for EISA card	C2906A
[]	5M Fast/Wide SCSI II cable for EISA card	C2907A
[]	20M Fast/Wide SCSI II cable for EISA card	C2916A
[]	REQUIRED Terminator for Fast/Wide SCSI II (for last HP Peripheral, order Terminator)	C2905A

Please see the "SCSI II Overview" for more information regarding SCSI Cables, Connectors and Restri

Enter Quantity in Brackets

Customer Name _____

Input Devices - Field or Customer Installable

INPUT DEVICES- PS/2 CONNECT		Product #
<input type="checkbox"/>	Mouse - 3 Button	A2839B
<input type="checkbox"/>	PC-AT Keyboard	A2840B
Required: Localized Keyboard Layout for A2840B. Must Select ONE:		
<input type="checkbox"/>	U.S. English PC/AT Keyboard Layout (Other Localized Layouts available)	ABA

INPUT DEVICES- SERIAL CONNECT		
<input type="checkbox"/>	HP Spaceball	A4360A
<input type="checkbox"/>	North American (120V) Power Adapter (Other Voltages available)	903
Graphics Tablets:		
<input type="checkbox"/>	Graphics Tablet, 12 in. x 12 in. (must order at least one of Tablet Accessories):	A4364A
<input type="checkbox"/>	Graphics Tablet, 12 in. x 18 in. (must order at least one of Tablet Accessories):	A4365A
Required: Power Selection for A4364A and A4365A (must order at least one):		
<input type="checkbox"/>	North American (120V) Power Adapter (Other Voltages available)	903
Required: Tablet Accessories for A4364A and A4365A (must order at least one):		
<input type="checkbox"/>	Cordless Stylus (Pen), 2 Buttons	A4366A
<input type="checkbox"/>	Cordless Cursor (Puck), 4 Buttons	A4367A
<input type="checkbox"/>	Corded/Tethered Stylus (Pen), 2 Buttons	A4368A
<input type="checkbox"/>	Corded/Tethered Cursor (Puck), 4 Buttons	A4369A

INPUT DEVICES- HP-HIL CONNECT		
<input type="checkbox"/>	Mouse - 3 Button	A2838A
<input type="checkbox"/>	Control Dial Module, 9-Dial Box	46085A
<input type="checkbox"/>	Button Box, 32 Buttons	46086A
<input type="checkbox"/>	Graphics Digitizer Tablet, Size A4, includes Stylus	46087C
<input type="checkbox"/>	Graphics Digitizer Tablet, Size A3, includes Stylus	46088C
<input type="checkbox"/>	Graphics Digitizer Tablet, Size A4, includes Cursor	46090C
<input type="checkbox"/>	Graphics Digitizer Tablet, Size A3, includes Cursor	46091C
<input type="checkbox"/>	ID Module	46084A
HIL Cables:		
<input type="checkbox"/>	HIL Extension Module, 3M HIL Extension	46080A
<input type="checkbox"/>	2.4M HIL, Audio Extension Cable	46081A
<input type="checkbox"/>	15M Remote Extension Cable w/ HIL, Audio and RGB Cables	46082A
<input type="checkbox"/>	Delete 15M RGB and Remote Link Cables	#015
<input type="checkbox"/>	Delete 15M RGB Cables Only	#343
<input type="checkbox"/>	30M Remote Extension Cable w/ HIL, Audio and RGB Cables	46082B

Additional Information



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Series 700 Workstation Localization Kit

(Must order one kit with each Series 700 workstation)

Select One:	A2205B	or	A1099C	or	A4030A
	PC/AT HIL Keyboard, 3 Button Mouse, Localized Manual Set, Power Cord		ITF HIL Keyboard 3 Button Mouse Localized Manual Set, Power Cord		PC/AT PS/2 Keyboard 3 Button Mouse Localized Manual Set Power Cord

Workstations Supported:

715/33, 715/50, 725/50 715/75, 725/75, 735, 735/125 755, 745i/50, 747i/50,745i/100, 747i/100	715/33, 715/50, 725/50 715/75, 725/75, 735, 735/125 755, 745i/50, 747i/50, 745i/100, 747i/100 715/64, 715/80, 715/100	712/60, 712/80, 715/64, 715/80,715/100, 743i/64, 743i/100,
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Select HP-UX Release for documentation:

HP-UX 8.X Documentation	APP
HP-UX 9.0 Documentation	APH
Delete Manual Set	0B0

Local Options:

----- A2205B contains ----- ----- A1099C contains ----- ----- A4030A contains -----

Option	Keyboard	Power Cord	Keyboard	Power Cord	Keyboard	Power Cord
ABA	English	North American	English	North American	English	North American
ABC	English	North American	French	North American	English	North American
ABD	German	German	German	German	German	German
ABE	Spanish	Spanish	Spanish	Spanish	Spanish	Spanish
ABF	French	French	French	French	French	French
ABH	English	Dutch	Dutch	Dutch	English	Dutch
AB0	English	Taiwanese	Taiwanese	Taiwanese	English	Taiwanese
ABJ	English	Japanese	Katakana	Japanese	English	Japanese
ABK	English	Icon	English	Icon	English	International
ABM	English	Latin Amer.	Latin Am	Latin Am	English	Latin Amer.
ABN	Norwegian	Norwegian	Norwegian	Norwegian	Norwegian	Norwegian
ABP	SW German	Swiss	SW German	Swiss	SW German	Swiss
ABQ	SW French	Swiss	SW French	Swiss	SW French	Swiss
AB1	Korean	Korean	Korean	Korean	Korean	Korean
ABS	Swedish	Swedish	Swedish	Swedish	Swedish	Swedish
ABU	UK	UK	UK UK	UK UK	UK	UK
AKX	English	Belgian	Belgium	Belgian	English	Belgian
ABX	English	Finnish	Finnish	Finnish	English	Finnish
ABY	Danish	Danish	Danish	Danish	Danish	Danish
ABZ	Italian	Italian	Italian	Italian	Italian	Italian
ARO	Japanese	Japanese			Japanese	Japanese

Series 700 Workstation Power Cords

#900	United Kingdom	#912	Denmark
#901	Australia , New Zealand	#917	Republic of South Africa, India
#902	European	#918	Japan
#903	North America, Taiwan, Korea	#919	Israel
#906	Switzerland		

HP 9000 Series 700 Graphics Family Overview

The figure below provides an overview of the main features for the HP 9000 Series 700 graphics products:











Name	Integrated Color	Integrated Grayscale/Color	CRX GRX	HCRX-8 HCRX-24	HCRX-8Z HCRX-24Z	CRX-24 CRX-24Z	CRX-48Z
Physical Packaging	Integrated	Integrated	Board	Board	Board w/ Daughter Card	Board w/ Daughter Card	External Subsystem
Product Definition	Color 8 plane HP Color Recovery technology	Greyscale 8 plane Color 8 plane	GRX Grayscale 8/8 dbl.-buff'd CRX Color 8/8 dbl.-buff'd	HCRX-8 Color 8/8 dbl.-buff'd 8 overlay planes HP Color Recovery technology HCRX-24 Color 24 plane or 12/12 dbl.- buff'd 8 overlay planes HP Color Recovery technology	HCRX-8Z Color Same as HCRX-8 plus 3D accelerated Z-buffer HCRX-24Z Same as HCRX-24 plus 3D accelerated Z-buffer	CRX-24 Color 24 plane or or 12/12 double-buff'd 8 overlay planes CRX-24Z Same as CRX-24 plus 3D accelerated Z-buffer	Color 48 planes configured as 24/24 dbl.-buff'd 8 overlay planes 3D accelerated Z-buffer
Platform Support	712/60 712/80 715/64 715/80 715/100 743i/64 743i/100	715/33 715/50 715/75 725/50 725/75 745i/50 745i/100 (no grayscale)	735 735/125 (CRX only) 755 747i/50 747i/100	715/64 715/80 715/100 (HCRX-8 only) 743i/64 743i/100	715/64 715/80 715/100	715/33 715/50 715/75 725/50 725/75 735 735/125 755 (CRX-24 only) 747i	715/50 715/75 725/50 725/75 715/100 735 735/125 755
Color Recovery	Yes	N/A	N/A	Yes	Yes	N/A	N/A
2D 3D wireframe	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3D	Optional PowerShade Software	Optional PowerShade Software	Optional PowerShade Software	Optional PowerShade Software	PowerShade Standard Hardware Standard	PowerShade Opt. - CRX-24 Std. - CRX-24Z CRX-24Z - Hardware Std	PowerShade Standard Hardware Standard

HP PowerShade Software with the PEX API:
Provides display of advanced 3D visualization on any HP Series 700 color workstation. Supported features include:

Alpha blending (24Z and 48Z products)	Software Z-buffer	New Features:
Anti-aliased lines (24Z and 48Z products)	Lighting	Wide lines
Depth cueing	Ambient, Spot, Point	Texture mapping
Capping and sectioning	16 light sources	Environment mapping
Interference checking	Model clipping	Radiosity and ray tracing are available via ARTCore
Deformation animation	Client/Server graphics	

Graphics Configurations Available

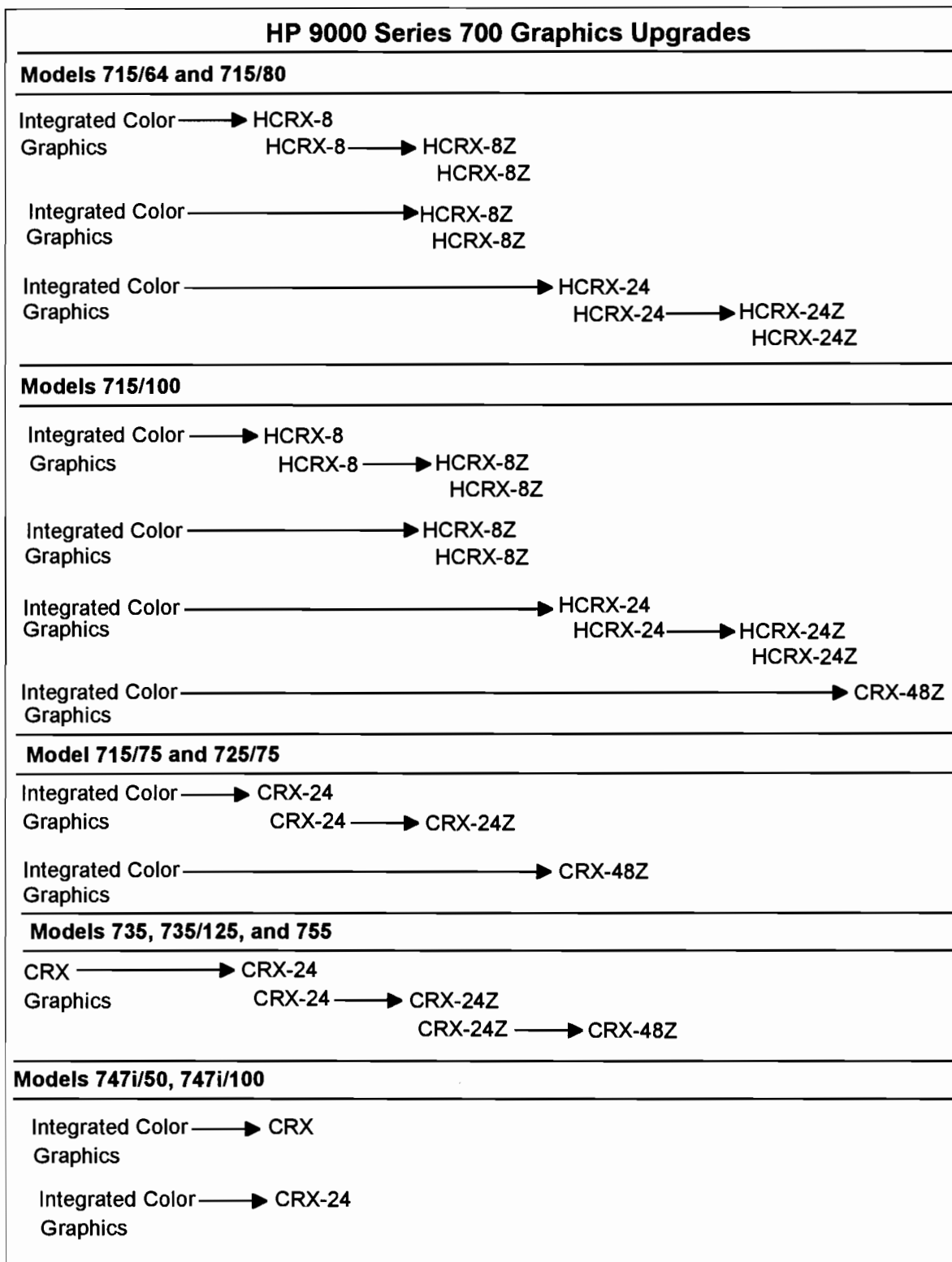
The table below summarizes the graphics configurations that are available on each of the HP 9000 Series 700 systems.

	712/60 712/80	715/64 715/80	715/100	715/33	715/50 715/75	735 735/125	743i/64 743i/100	745i/50 745i/100	747i/50 747i/100	755
										
Integrated Entry Color Graphics				•	•			•	•	
Integrated Entry Grayscale Graphics				•	•					
Integrated Color Graphics with HP Color Recovery technology	•	•	•				•			
GRX						•				
CRX						•		•	•	
CRX-24				•	•	•		•	•	
CRX-24Z				•	•	•				•
HCRX-8		•	•							
HCRX-24		•	•							
HCRX-8Z		•	•							
HCRX-24Z		•	•							
CRX-48Z			•		•	•				•
Dual CRX						•		•	•	•

Additional Information

Upgrading Workstation Graphics

The chart below show the HP 9000 Series 700 graphics upgrade options.



SCSI Overview

Use HP-Approved SCSI-2 Cables

Some SCSI-2 devices ship with a SCSI cable. Other SCSI-2 devices ship without cables. Only SCSI-2 cables approved by Hewlett-Packard should be used with HP 9000 Series 700 Workstations and with any SCSI-2 devices connected to the workstation unit.

CAUTION: SCSI-2 cables approved by Hewlett-Packard are designed to function within the tolerances for Hewlett-Packard devices. Use of other cables may result in significant problems with system operation.



SCSI-2 Characteristics

The **single-ended** SCSI-2 definition limits the total cable length of SCSI-2 cables to 6 meters (19.6 feet) and the total number of single-ended devices to (7) seven. The **fast/wide** SCSI-2 definition limits the total cable length of SCSI-2 cables to 25 meters (81.7 feet) and the total number of fast/wide devices to (15) fifteen. Always use the shortest possible cables(s). Inserted below is a table with Single-Ended, Differential and Fast/Wide SCSI-2 Characteristics:

Characteristic	Single-Ended SCSI	Differential SCSI	Fast/Wide SCSI
Other Names and Aliases	'Standard SCSI', 'SCSI', 'SCSI II', 'SE-SCSI', 'SCSI-II'	'Fast', 'Fast/Narrow', 'Diff-SCSI'	'Differential-Wide', 'F/W-SCSI', 'Fast and Wide'
Compatible with the other SCSI bus types	Not Compatible with Differential or Fast/Wide SCSI	Not Compatible with Single-Ended or Fast/Wide SCSI.	Not Compatible with Single-Ended or Differential SCSI.
Bus Transfer Rate	5 MBytes/second	10 MBytes/second	20 MBytes/second
Data Bus Width	8 bits	8 bits	16 bits
# Connector Pins	50 pins	50 pins	68 pins
Max. Cable Length (including internal cables)	6 meters	25 meters	25 meters
Maximum Number of Devices	7 Peripherals	7 Peripherals	15 Peripherals
Peripheral Devices	Disks, CD-ROM, DAT, Rewritable Optical, Minitowers, Tapes, Arrays	Disks, Arrays (1350SX) (1350SA)	Minitowers, Arrays (C303x Products) HP 9000 Models 735 and 755 only.

SCSI-2 Connectors

There are currently three (3) SCSI-2 connector types recommended for use with the Hewlett-Packard Workstations and the SCSI-2 peripherals listed in this guide:

- 1.) HDT50 - 50 pin High Density Thumb Screw connector - for attachment to single-ended and fast differential SCSI port on Series 700.
- 2.) HDT568 - 68 pin High Density Thumb Screw connector - for attachment to the fast-wide SCSI-2 port on Model 735/755 and Disk Arrays.
- 3.) LDBL - 50 pin Low Density Bail Lock connector - for attachment to external HP SCSI-2 peripheral devices that require Low Density Connector.

The cable required depends upon the two devices being connected. The **first external device** will be connected to the SPU, so the cable should be the High Density Thumb Screw either 50 or 68 pins. **Subsequent SCSI-2 devices** are attached to the first device. The cable may require low density connectors on both ends or one end. Alternatively, the cable may require high density connectors on both ends. Please see the **CABLE MATRIX TABLE** to determine the correct cable.

SCSI-2 Terminators, Series 700 and External Devices

The SCSI bus must always be terminated. A terminator for the Series 700 workstations is shipped with both the Series 700 workstation and the EISA SCSI-2 host adapter card. If external devices are connected, the last device in the daisy-chain must be terminated. Some devices listed in this document ship without terminators. The proper SCSI-2 terminator must be ordered from Hewlett-Packard. Order part number C2904A for devices with 50-pin high density connectors, K2291 for devices with 50-pin low-density connectors or C2905A for devices with 68-pin high density connectors. See the **CABLE MATRIX TABLE** to determine the correct terminator.

Series 700 SCSI-2 Restrictions

There is a limitation in the number of same-type SCSI-2 devices per system. Before adding another SCSI-2 device, determine if the workstation can support the additional device.

For the single-ended standard SCSI-2 bus, HP-UX supports only one of each type of removable-media disk drive (i.e., CD-ROM or magneto-optical drives) and two of the same-type tape devices (i.e., 4-mm DDS tape drives or 9 track tape drives) per workstation. The Table below shows the configuration constraints for each standard single-ended SCSI-2 device type. If the system has an internal hard disk drive, you must count it as a SCSI-2 device.

Single-Ended Standard SCSI II Devices	Maximum Number of Each Type of Device Allowed
Hard Disk Drives (internal and external)	7
CD-ROM Drives (internal and external)	1
4-mm DDT Tape Drives (internal and external)	2
9-Track Tape Drives (external)	2
650-MB Magneto-Optical Drives (external)	1
Magneto-Optical Autochangers *	1
* NOTE: Magneto-Optical Autochangers use more than one SCSI II drive address. Each address must be counted in the maximum number of SCSI II devices allowed.	
Maximum Number of SCSI II Devices	7

CAUTION: Do NOT connect Differential or Fast/Wide SCSI II devices to a single-ended SCSI II bus. Connecting a SCSI II device to the wrong SCSI II bus can cause system failure.

- 1.) Series 700 internal disk drives and cables must be included in device count and cable length calculations.
- 2.) It is recommended that when adding third party SCSI II devices, total cable length external to the Series 700 system unit (both external cables and cables internal to the devices) be limited to 4.6 meters (15 feet) for Single-Ended devices and 25 meters for Fast/Wide and Differential devices.

Factory Integrated Memory Configurations

Model 712/60

Option Number	Factory Integrated Memory Configuration	DRAM	Number of Slots Used	Number of Slots Free	Maximum Memory Possible
ANB	16MB Total (2x8MB)	4 Mbit	2	2	80MB
ANF	24MB Total (2x4MB and 2x8MB)	4 Mbit	4	0	24MB
ANC	32MB Total (4x8MB)	4 Mbit	4	0	32MB
UFS	32MB Total (2x16MB)	16 Mbit	2	2	96MB
ANE	64MB Total (2x32MB)	16 Mbit	2	2	128MB

Model 712/80

Option Number	Factory Integrated Memory Configuration	DRAM	Number of Slots Used	Number of Slots Free	Maximum Memory Possible
ANB	16MB Total (2x8MB)	4 Mbit	2	2	80MB
ANF	24MB Total (2x4MB and 2x8MB)	4 Mbit	4	0	24MB
ANC	32MB Total (4x8MB)	4 Mbit	4	0	32MB
UFS	32MB Total (2x16MB)	16 Mbit	2	2	96MB
ANE	64MB Total (2x32MB)	16 Mbit	2	2	128MB

Model 715/33

Option Number	Factory Integrated Memory Configuration	DRAM	Number of Slots Used	Number of Slots Free	Maximum Memory Possible
<i>Base Configuration</i>	16MB Total (2x8MB)	4 Mbit	2	4	144MB
012	8MB Total (2x4MB)	4 Mbit	2	4	136MB
AN8	32MB Total (4x8MB)	4 Mbit	4	2	96MB
ANN	48MB Total (6x8MB)	4 Mbit	6	0	48MB
112	128MB Total (4x32MB)	16 Mbit	4	2	192MB
UFK	192MB Total (6x32MB)	16 Mbit	6	0	192MB

Model 715/50

Option Number	Factory Integrated Memory Configuration	DRAM	Number of Slots Used	Number of Slots Free	Maximum Memory Possible
<i>Base Configuration</i>	16MB Total (2x8MB)	4 Mbit	2	6	208MB
AN8	32MB Total (4x8MB)	4 Mbit	4	4	160MB
AND	64MB Total (8x8MB)	4 Mbit	8	0	64MB
UFP	64MB Total (2x32MB)	16 Mbit	2	6	256MB
112	128MB Total (4x32MB)	16 Mbit	4	4	256MB
UFB	256MB Total (8x32MB)	16 Mbit	8	0	256MB

Model 715/64, 715/80, and 715/100

Option Number	Factory Integrated Memory Configuration	DRAM	Number of Slots Used	Number of Slots Free	Maximum Memory Possible
<i>Base Configuration</i>	32MB Total (4x8MB)	4 Mbit	4	4	160MB
ANN	64MB Total (8x8MB)	4 Mbit	8	0	64MB
UFT	64MB Total (2x32MB)	16 Mbit	2	6	256MB
ANY	96MB Total (4x32MB)	16 Mbit	4	4	256MB
UFN	256MB Total (8x32MB)	16 Mbit	8	0	256MB

Factory Integrated Memory Configurations

Model 725/50

Option Number	Factory Integrated Memory Configuration	DRAM	Number of Slots Used	Number of Slots Free	Maximum Memory Possible
<i>Base Configuration</i>	32MB Total (4x8MB)	4 Mbit	4	4	160MB
ANN	64MB Total (8x8MB)	4 Mbit	8	0	64MB
UFT	64MB Total (2x32MB)	16 Mbit	2	6	256MB
ANY	96MB Total (4x32MB)	16 Mbit	4	4	256MB
UFN	256MB Total (8x32MB)	16 Mbit	8	0	256MB

Model 715/75

Option Number	Factory Integrated Memory Configuration	DRAM	Number of Slots Used	Number of Slots Free	Maximum Memory Possible
<i>Base Configuration</i>	32MB Total (4x8MB)	4 Mbit	4	4	160MB
ANN	64MB Total (8x8MB)	4 Mbit	8	0	64MB
UFT	64MB Total (2x32MB)	16 Mbit	2	6	256MB
ANY	96MB Total (4x32MB)	16 Mbit	4	4	256MB
UFN	256MB Total (8x32MB)	16 Mbit	8	0	256MB

Model 725/75

Option Number	Factory Integrated Memory Configuration	DRAM	Number of Slots Used	Number of Slots Free	Maximum Memory Possible
<i>Base Configuration</i>	32MB Total (4x8MB)	4 Mbit	4	4	160MB
ANN	64MB Total (8x8MB)	4 Mbit	8	0	64MB
UFT	64MB Total (2x32MB)	16 Mbit	2	6	256MB
ANY	96MB Total (4x32MB)	16 Mbit	4	4	256MB
UFN	256MB Total (8x32MB)	16 Mbit	8	0	256MB

Model 735 & 735/125

Option Number	Factory Integrated Memory Configuration	DRAM	Number of Slots Used	Number of Slots Free	Maximum Memory Possible
<i>Base Configuration</i>	32MB Total (2x8MB) + 16MB on CPU	4 Mbit	2	10	352MB
AN8	48MB Total (2x16MB) + 16MB on CPU	4 Mbit	2	10	368MB
AND	80MB Total (4x16MB) + 16MB on CPU	4 Mbit	4	8	336MB
UFM	144MB Total (8x16MB) + 16MB on CPU	4 Mbit	8	4	272MB
UFK	208MB Total (12x16MB) + 16MB on CPU	4 Mbit	12	0	208MB
UFL	400MB Total (12x32MB) + 16MB on CPU	16 Mbit	12	0	400MB

Model 755

Option Number	Factory Integrated Memory Configuration	DRAM	Number of Slots Used	Number of Slots Free	Maximum Memory Possible
<i>Base Configuration</i>	64MB Total (2x32MB)	4 Mbit	2	10	704MB
ANQ	128MB Total (4x32MB)	4 Mbit	4	8	640MB
ANW	256MB Total (8x32MB)	4 Mbit	8	4	512MB
ANX	384MB Total (12x32MB)	4 Mbit	12	0	384MB
UFD	512MB Total (8x64MB)	16 Mbit	8	4	768MB
UFE	768MB Total (12x64MB)	16 Mbit	12	0	768MB

Factory Integrated Memory Configurations

Model 745/50 and Model 747/50

Option Number	Factory Integrated Memory Configuration	DRAM	Number of Slots Used	Number of Slots Free	Maximum Memory Possible
<i>Base Configuration</i>	16MB Total (2x8MB)	4 Mbit	2	2	80MB
AN8	32MB Total (4x8MB)	4 Mbit	4	0	32MB
ANC	32MB Total (8x16MB)	16 Mbit	2	2	96MB
ANE	64MB Total (2x32MB)	16 Mbit	2	2	128MB
ANS	128MB Total (4x32MB)	16 Mbit	4	0	128MB

Model 745/100 and Model 747/100

Option Number	Factory Integrated Memory Configuration	DRAM	Number of Slots Used	Number of Slots Free	Maximum Memory Possible
<i>Base Configuration</i>	16MB Total (2x8MB)	4 Mbit	2	2	80MB
AN8	32MB Total (4x8MB)	4 Mbit	4	0	32MB
ANC	32MB Total (8x16MB)	16 Mbit	2	2	96MB
ANE	64MB Total (2x32MB)	16 Mbit	2	2	128MB
UFM	128MB Total (2x64MB)	16 Mbit	4	0	256MB
UFB	256MB Total (4x64MB)	16 Mbit	4	0	256MB

Additional Information

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Hardware and Software Support

Customers receive a one-year on-site hardware repair 72-hour response time hardware warranty. At time of product purchase, customers can improve the hardware warranty response time and add software support by purchasing HP System Support Options. The HP System Support Options program offers basic hardware and software support for HP systems, peripherals and stand-alone software applications.

HP System Support Options Availability

Each support option represents a combination of hardware and software support for an HP product. The following table illustrates the deliverables of each support option.

Option 0S0	Option 0S1	Option 0S5
License to use software updates Updates*	License to use software updates Updates*	License to use software updates Updates*
HP SupportLine electronic support	HP SupportLine electronic support	HP SupportLine electronic support
Next-day, on-site response	On-site response within 4 hours Monday through Friday	On-site response within 4 hours, 24 hours a day, 7 days per week
Option 0S2	Option 0S3	Option 0S6
Software phone-in assistance License to use software updates Updates*	Software phone-in assistance License to use software updates Updates*	Software phone-in assistance License to use software updates Updates*
HP SupportLine electronic support	HP SupportLine electronic support	HP SupportLine electronic support
Next-day, on-site response	On-site response within 4 hours Monday through Friday	On-site response within 4 hours, 24 hours a day, 7 days per week

Option 0S4

Option 0S4 provides installation and network configuration for products that do not include installation in the purchase price.

Option 0SZ

Option 0SZ provides network configuration for products that include HP installation in the purchase price.

*Includes one copy each of media and documentation updates with every media and documentation product ordered.



Support Option Features

Feature	Delivery Specifications		
Warranty Upgrade	Support Services are added to the product warranty to provide either next-day, same-day (4 hour), or 24x7 on-site response for hardware problems.		
Coverage Hours	Next Day 8am-5pm Mon-Fri	4 Hour 8am-9pm* Mon-Fri	24x7 24 Hours 7 days per week
Response Time	Next Day	Best Response: Not to exceed 4 hrs	Best Response: Not to exceed 4 hrs

*If service is requested before 5:00pm, an HP engineer will respond on-site within 4 hours, if an on-site call is necessary.

On-site Repair An HP engineer travels to the customer site and provides all labor, parts, and materials necessary to maintain hardware products in good operating condition. Product malfunctions and failures are diagnosed and corrected.

Software Phone-in Assistance Unlimited toll free access to the HP Response Center is provided for authorized callers. Response is immediate for critical calls and within 2 hours for all calls.

License to use Software Updates Customer can use and copy updates to HP software on each system covered by HP System Support Options.

Updates As HP releases updates to HP software, the latest revisions of the software and reference manuals are made available to the system manager. HP provides one copy of media and documentation updates for each media and documentation product ordered with HP System Support Options.

Electronic access HP SupportLine provides electronic access to a database of current product and support information. Includes new product information, software status bulletins, engineering and application notes, etc. HP SupportLine can also be used to submit Response Center calls.

Installation Option 0S4 provides installation and network configuration for products that do not include installation in the product purchase price. Option 0SZ provides network configuration for products that include installation in the purchase price.

Selecting the Appropriate Option

Select HP System Support Options based upon your knowledge of the customer's warranty upgrade and software support needs. Follow these basic steps:

1. Select hardware, software, and peripherals.
2. Determine the warranty upgrade and software support needed. Refer to the System Support Options table for warranty upgrade/software support combinations available.
3. Select the applicable Support Options to meet the support needs.

HP System Support Options are available for systems, associated peripherals and stand-alone software.

SYSTEMS

To select the appropriate option, follow these steps:

1. Determine the desired warranty upgrade (response time for repairs). Choices include next-day, 4 hour, or 24x7 response.
2. Determine whether the customer has an existing response center caller set up who will be calling for support of the system being purchased.
 - If **YES**, select Option 0S0, 0S1, or 0S5.
 - If **NO**, select Option 0S2, 0S3, or 0S6.

PERIPHERALS

For system peripherals, select the option that provides the desired response time for repairs (next-day, 4 hour, or 24x7). In general, select the same option as you chose for the system.

STAND-ALONE SOFTWARE APPLICATIONS

For Stand-alone software applications, select options as follows:

- Select Option 0S2, 0S3, or 0S6 for the first copy of the application.
- Select Option 0S0, 0S1, or 0S5 for additional copies.

For media and documentation updates, follow these steps:

1. Order option 0S0, 0S1, 0S2, 0S3, 0S5, or 0S6 with the system.
2. Order option 0S0, 0S1, 0S2, 0S3, 0S5, or 0S6 with media and documentation products for which you want updates.

System Support Options pricing is found on the following pages. The CPL price is for a 12-month period and is available only for the first year.

HP System Support Solutions

As the end of the first year of support approaches, there is a clear transition path from HP System Support Options to HP System Support solutions. At renewal, any one of the HP System Support Options can convert to a comparable or better HP System Support Solution.

HP System Support Solutions use an environment-based sales approach. The service provides a full set of features for the customer's computing environment, rather than narrowly defined individual services that depend on the type of product being supported. An HP System Support Service quote reflects this change. The CPL price is per month.

HP 9000 Series 700 Workstation Hardware Documentation

This table lists Hardware Manuals available with the s700 Workstations.
 Additional copies of these manuals may also be purchased by calling
HP DIRECT at 1-800-637-7740

Model 712		
[]	Hardware Installation Guide Model 712	A2615-90600
[]	Model 712 Owner's Guide	A2615-90616
[]	Model 712 Workstations Service Handbook	A2615-90617
[]	Installing the A2655A CD-ROM Drive	A2615-90619
[]	Installing the A2656A DDS Tape Drive	A2615-90620
[]	Installing the A2657A SCSI Disk Drive	A2615-90621
[]	Installing Your Floppy Drive	A2615-90606
[]	Installing Your 270-MB Disk Drive	A2615-90611
[]	Installing Your 525-MB Disk Drive	A2615-90612
[]	HP A4011A Token Ring Adapter Installation & Configuration Guide	A2615-90614
[]	Installing Your 1-GB Disk Drive	A2615-90615
Model 715		
[]	Model 715 Hardware Installation Guide	A2084-90628
[]	Model 715 Owner's Guide	A2084-90629
[]	HP 9000 Series 700 Model 715 Service Handbook	A2084-90630
[]	HP A2802A SCSI Floppy Disk Drive Installation Guide	A2084-90618
[]	HP A2274A and A2275A DDS-Format Tape Drive Installation Guide	A2084-90619
[]	HP A2800A/A2801A SCSI Disk Drive Installation Guide	A2084-90620
[]	HP A2803A CD-ROM Drive Installation Guide	A2084-90621
[]	HP A2804A EISA Expansion Slot Installation Guide	A2084-90623
[]	HP A2673A Graphics Option Installation Guide	A2673-90602
[]	HP A2675A Graphics Option Installation Guide	A2675-90602
[]	Installing the A2674A Graphics Option in Your Model 715 Workstation	A2674-90601
Model 715s and Model 715t		
[]	Model 715s and Model 715t Owner's Guide	A2089-90601
[]	Model 715s and Model 715t Service Handbook	A2089-90602
715/33 & 715/50 upgrade to 715/75		
[]	Installing the A2806A Upgrade Kit	A2806-90600
Upgrade a Model 400d1, 400t or 425t to a Model 715/33 or 715/50		
[]	Installation Instructions for the A2089A & A2090A Upgrade Kits	A2089-90603
Upgrade a Model 400a, 425a or 433a or 425t to a Model 715/33 or 715/50		
[]	Installation Instructions for the A2093A Upgrade Kits	A2092-90600
705, 710 and 7425e upgrade to 715/33 or 715/50		
[]	Installation Instructions for the A2835A, A2836A and A2837A Upgrade Kits	A2836-90603
715/33 upgrade to Model 715/50		
[]	Installing the A2805A Upgrade Kit	A2805-90600
715/33, 715/50, or 715/75 upgrade to 715/100		
[]	Installing the A4091A Upgrade Kit	A4091-90600
Model 725		
[]	Hardware Installation Guide for 725 Workstations	A2685-90600
[]	Model 725 Owner's Guide	A2685-90601
[]	Service Handbook - Model 725 Workstations	A2685-90602
[]	Update 1 to Model 725 Workstations Service Handbook (P/N A2685-90602)	A2685-90611
[]	HP A2817A CD-ROM Drive Installation Guide	A2685-90604
[]	HP A2809A/A2813A SCSI Disk Drive Installation Guide	A2685-90605
[]	HP A2274A and A2275A DDS-Format Tape Drive Installation Guide	A2685-90606
[]	HP A2814A SCSI Floppy Disk Drive Installation Guide	A2685-90607
[]	A2674A Graphics Upgrade Installation Guide for Model 725	A2685-90608
[]	HP A2673A Graphics Upgrade Installation Guide for Model 725	A2685-90609
[]	HP A2675A Graphics Upgrade Installation Guide for Model 725	A2685-90610

Upgrade 725/50 to Model 725/75		
[]	Installing the A2808A Upgrade Kit	A2808-90600
Model 735		
[]	Hardware Installation Guide Model 735	A2095-90000
[]	HP Apollo 9000 Series 700 Model 735 Owner's Guide	A2095-90608
[]	Service Handbook - Model 735	A2095-90609
[]	Model 735 FDDI Quick Installation Guide	A2095-90605
[]	Model 735 LAN AUI Quick Installation Guide	A2095-90606
[]	Model 735 ThinLAN Quick Installation Guide	A2095-90607
[]	HP A2563A, A2656A, and A2566A Disk Drive Installation Guide	A1980-90601
[]	HP A1984A SCSI Floppy Disk Drive Installation Guide	A1984-90602
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[]	Installing the A4050A Upgrade Kit	A4050-90600
Model 755		
[]	Hardware Installation Guide Model 755	A2288-90000
[]	HP Apollo 9000 Series 700 Model 755 Owner's Guide	A2288-90601
[]	Service Handbook - Model 755 Workstation	A2288-90602
[]	HP A2654A Model 755 FDDI Installation Guide	A2288-90604
[]	HP A1985A CD-ROM Drive Installation Guide	A1985-90603
[]	HP A2556A 2.0-GB Single-Ended Disk Drive Installation Guide	A2556-90600
[]	HP A2564A Fast, Wide, Differential 2.0-GB Disk Drive Installation Guide	A2564-90600
[]	HP A1968A Floppy Disk Drive Installation Guide	A1968-90602
[]	HP A2274A#AHS and A2275A#AHS DDS-Format Tape Drive Installation Guide	A2275-90601
Upgrade a Model 750 to a Model 755		
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Second Monitor Port	A2878A	32	Cordless Cursor (Puck), 4 Buttons	A4367A	70
11.8 inch 1024x768 Flat Panel Color Display	A2882A	64	Corded/Tethered Stylus (Pen), 2 Buttons	A4368A	70
715/75 SPU with 32MB RAM	A2896A	27	Corded/Tethered Cursor (Puck), 4 Buttons	A4369A	70
725/75 SPU with 32MB RAM	A2897A	13	Supra Stereo, CD-Quality stereo headband	A4370A	64
			Supra, Monaural headband style with microphone	A4371A	64
712/60 Bundle, 15" Color mtr., 16MB RAM, 260MB Disk	A4010A	2	Supra NC, Monaural headband style with noise	A4372A	64
HP-Token Ring/8000	A4011A	33	Supra Binaural, Dual receiver headband style	A4373A	64
Teleshare U.S. Version	A4012AA	32	Supra Binaural NC, Dual receiver headband style	A4374A	64
Second Serial Port	A4013A	32	Mirage, Over-the-ear capsule design, no headband	A4375A	64
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X.25 Port with Second Serial Port	A4015A	32	Supra Replacement Ear Cushions (1 pair/black)	A4377A	64
712/60 SPU	A4023A	2	Supra Replacement Stereo Ear Cushions (1 pair/black)	A4378A	64
712/60 SPU	A4027A	4	Replacement Foam Windscreen	A4379A	64
PC-101 Keyboard	A4030A	2			
17 inch Multi-Sync (1280x1024, 1024x768) Color Monitor	A4032A	64	PowerShade for HP-UX 9.0	B2156C	56
20 inch Multi-Sync (1280x1024, 1024x768) Color Monitor	A4033A	64			
Upgrade 735->735/125	A4050A	62	Multi-Host Software for HP, SUN, IBM and SCO sys.	B3651CA	59
Upgrade 730->735/125	A4051A	62	Software for HP 9000 Series 300/400 systems	B3652CA	59
Upgrade 720->735/125	A4052A	62	Software for HP 9000 Series 300/400 systems	B3652CA	61
735/125 SPU with 32MB RAM	A4053A	15	Software for HP 9000 Series 300/400 systems	B3652CA	59
Add 260MB Single-Ended SCSI II disk.	A4065A	32	Software for HP 9000 Series 300/400 systems	B3652CA	61
Add 525MB Single-Ended SCSI II disk.	A4066A	32	Software for HP 9000 Series 700/800	B3653CA	61
Add 1GB Single-Ended SCSI II disk.	A4067A	32	Software for IBM RS/6000 AIX systems on 8mm cartridge	B3654CA	61
Add 1.4MB floppy disk drive.	A4068A	32	Software for Multi-host systems on HP ENVIZEX	B3659CA	59
Upgrade Int. Color -> HCRX-8	A4070A	63	HP ENWARE 3270 software for local IBM 3270 emulation	B3662AB	59
Upgrade Int. Color -> HCRX-24	A4071A	63	Software for Multi-host systems on HP ENTRIA	B3667CA	61
Upgrade HCRX-24 -> HCRX-24Z	A4072A	63	HP ENWARE X Terminal Manager Software	B3670AA	61
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Model 735CL, 80MB RAM, 1GB Fast-Wide SCSI-II Disk,	A4088A	40	Model 40T Optical Jukebox, 40GB - 32 Disk cap	C1700T	67
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715/80 SPU with integrated graphics and 32MB RAM	A4093A	9	Model 20LT Optical Jukebox, 20GB - 16 Disk cap	C1708T	67
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