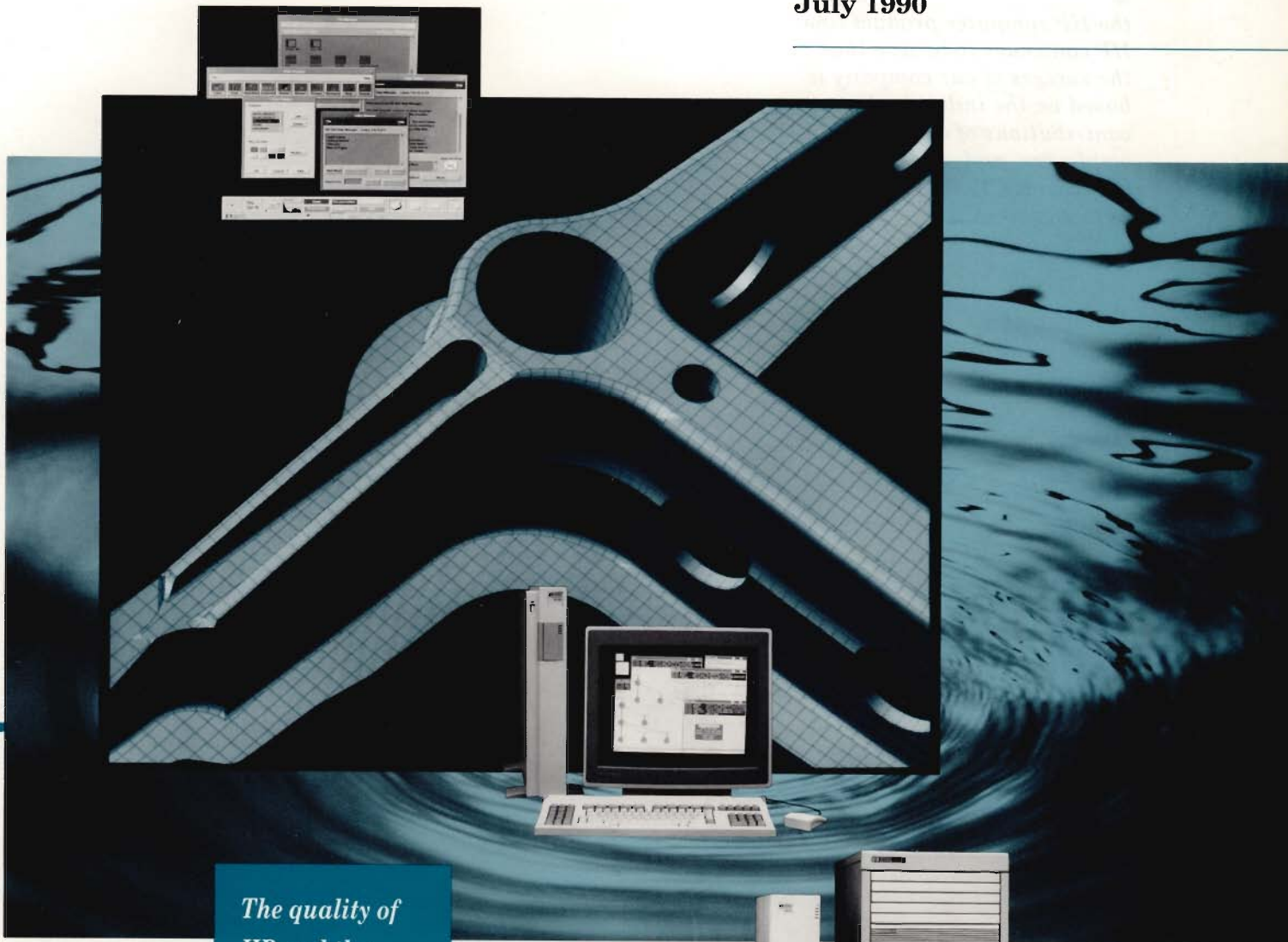# HP Apollo 9000
Series 400 Workstations

Price Guide

July 1990

The quality of HP and the innovation of Apollo combined to create powerful, cost-effective workstation solutions.

In memory of Ted Proske

Hewlett-Packard would like to recognize the special efforts of Ted Proske in the development of this and numerous other technical literature pieces for the HP computer product line. HP continues to believe that the success of our company is based on the individual contributions of our employees, and we would like to recognize Ted's contribution to this success.

Let Your Computer Equipment Pay for Itself with HP Financing

By paying as you go, you let the savings from the improved productivity of your equipment pay your monthly cost. So your equipment pays for itself. And you save through an industry-leading rate that competes with anyone in the marketplace because HP Financing uses Hewlett-Packard's low cost of funds for financing your equipment. From 12-month rentals to 5-year leases and gradual purchase plans, HP Financing can help you tailor a plan to:

1. acquire new technology without a large initial cash outlay;
2. hedge against obsolescence — by leaving the risk of ownership with HP;
3. make future upgrades easy; and
4. obtain new technology in spite of tight capital budget constraints by expensing it through "off-balance sheet" financing.

Domain Models 400t and 400s System Processor Units, continued

Product/ Opt. No.	Description	List Price	HP ApolloLine Service/Mo.		
				System Support	Priority System Support

A1630A	**Model 400t System Processor Unit**, consisting of:
	• 50 MHz 68030 CPU and 50 MHz 68882 Floating Point Processor
	• 8 MB ECC RAM, expandable to 32 MB.
	• 32-bit DIO-II graphics interface
	• Built-in internal I/O interfaces:
	  – Domain keyboard interface
	  – HP-HIL interface
	  – RS-232C interface, expandable from 1 port to 3 ports
	  – SCSI interface (high density connector)
	  – Centronics-compatible parallel interface
	  – IEEE 802.3 Ethernet LAN interface with ThinMAU and
	    BNC "T" connector configuration
	• License-to-use Domain operating system (SysV.3, BSD4.3,
	  AEGIS)
	• License-to-use HP-UX 7.0 and 7.03
	
	***Must also order Domain Series 400 Localization product
	A1098A with appropriate National Version option.***
		n/c		-0-	-0-

Opt. AGK	**Primary Operating System Option (must order)** Select Domain operating system use (may also order 1/4-inch cartridge tape media product number B1687A).	n/c		$ 29	$ 33
Opt. AD7*	**Graphics Interface/System options (must order one)** Provides 1280 x 1024 VRX 2D monochrome graphics interface *Supports only the option ADG 19-inch monochrome monitor.*	$ 6,890		-0-	-0-
Opt. AD8*	Provides 1280 x 1024 VRX 2D color graphics interface (supports option ADH and ADJ color monitors)	8,890		-0-	-0-
Opt. ADA*	Provides 1280 x 1024 PersonalVRX P1 3D color graphics system (supports option ADH and ADJ color monitors)	14,890		23	29
Opt. ADB*	Provides 1280 x 1024 PersonalVRX P2 3D color wireframe graphics system (supports option ADH and ADJ color monitors)	18,890		27	34
Opt. ADC*	Provides 1280 x 1024 PersonalVRX P3 3D color wireframe/solids graphics system (supports option ADH and ADJ color monitors)	22,890		33	41
Opt. ADG	**Monitor options (must order one)** Provides 19-inch 1280 x 1024 Monochrome Monitor (excludes options ADH and ADJ). *Only available with option AD7.*	n/c		10	18
Opt. ADH	Provides 16-inch 1280 x 1024 Color Monitor (excludes options AD7, ADG and ADJ)	n/c		5	10
Opt. ADJ	Provides 19-inch 1280 x 1024 Color Monitor (excludes options AD7, ADG and ADH)	2,000		25	45
Opt. AN2 Opt. AN4	**ECC RAM options (may order total of three of AN2 and AN4)** Adds 4 MB ECC RAM based on 1 MB DRAMs Adds 8 MB ECC RAM based on 1 MB DRAMs	2,000 4,000		4 2	5 4
Opt. AM1 Opt. AM2	**Internal Mass Storage options (may order one of each)** Adds 200 MB SCSI Disk. Adds second 200 MB SCSI Disk. *Requires option AM1.*	2,500 2,500		7 7	9 9
Opt. AL3 Opt. AL4 Opt. AL6	**Additional I/O options (may order one of each)** Adds Apollo Token Ring interface (excludes option AL4) Adds IBM Token Ring interface (excludes option AL3) Adds attachment to convert one RS-232C connector to three connectors.	n/c n/c 300		24 24 -0-	30 30 -0-
Opt. AL9	Factory-select LAN AUI configuration	n/c		-0-	-0-

*   Excludes all other options AD7, AD8, ADA, ADB, and ADC.

HP Computer Museum
www.hpmuseum.net

For research and education purposes only.

Domain Models 400t and 400s System Processor Units, continued

Product/ Opt. No.	Description	List Price	HP ApolloLine Service/Mo.		
			System Support	Priority System Support	

A1421A	**Model 400s System Processor Unit**, consisting of:
	• 50 MHz 68030 CPU and 50 MHz 68882 Floating Point Processor
	• 8 MB ECC RAM, expandable to 128 MB
	• Two 32-bit DIO-II graphics slots
	• Built-in internal I/O interfaces:
	  – Domain keyboard interface
	  – HP-HIL interface
	  – RS-232C interface, expandable from 1 port to 3 ports
	  – SCSI interface (high density connector)
	  – Centronics-compatible parallel interface
	  – IEEE 802.3 Ethernet LAN interface with ThinMAU and BNC "T" connector configuration
	• License-to-use Domain operating system (SysV.3, BSD4.3, AEGIS)
	• License-to-use HP-UX 7.0 and 7.03
	
	Must order Domain Series 400 Localization product A1098A with appropriate National Version option.
		$ 11,890	✎ -0-	-0-	

	Primary Operating System Option (must order)				
Opt. AGK	Select Domain operating system use (may also order 1/4-inch cartridge tape media product number B1687A)	n/c	$ 36	$ 42	
	Graphics Interface System options (may order one)				
Opt. AD7*	Provides 1280 x 1024 VRX 2D monochrome graphics interface *Supports only the option ADG 19-inch monochrome monitor.*	2,000	-0-	-0-	
Opt. AD8*	Provides 1280 x 1024 VRX 2D color graphics interface (supports option ADH and ADJ color monitors)	4,000	-0-	-0-	
Opt. ADB*	Provides 1280 x 1024 PersonalVRX P2 3D wireframe color graphics system (supports option ADH and ADJ color monitors)	14,000	27	34	
Opt. ADC*	Provides 1280 x 1024 PersonalVRX P3 3D wireframe/solids color graphics system (supports option ADH and ADJ color monitors)	18,000	33	41	
	Monitor options (may order one; if ordered, must order one of AD7-ADC)				
Opt. ADG	Provides 19-inch 1280 x 1024 Monochrome Monitor (excludes options ADH and ADJ). *Only available with option AD7.*	n/c	10	18	
Opt. ADH	Provides 16-inch 1280 x 1024 Color Monitor (excludes options AD7, ADG and ADJ).	n/c	5	10	
Opt. ADJ	Provides 19-inch 1280 x 1024 Color Monitor (orderable only with option AD8, ADB or ADC; excludes options AD7, ADG and ADH)	2,000	25	45	
	ECC RAM options (may order total of three AN4 and AN6)				
Opt. AN1	Converts original 8 MB RAM (1 Mbit DRAM) to 32 MB (4 Mbit DRAM)	12,000	12	13	
Opt. AN4	Adds 8 MB ECC RAM based on 1 MB DRAMs	4,000	2	4	
Opt. AN6	Adds 32 MB ECC RAM based on 4 MB DRAMs	12,000	14	17	
	Internal Mass Storage options (may order one of each) Adds 330 MB SCSI Disk. *Excludes AM5.*				
Opt. AM3	Adds 660 MB SCSI Disk. *Excludes AM3.*	4,500	10	13	
Opt. AM5	Adds second 660 MB SCSI Disk. *Requires option AM5*	7,100	15	19	
Opt. AMA	Adds 1/4-inch QIC format Cartridge Tape Drive	7,100	15	19	
Opt. AM9		2,000	25	31	
	Additional I/O options for Series 400 (may order one of each)				
Opt. AL1	Adds four ISA interface slots	n/c	4	5	
Opt. AL3	Adds Apollo Token Ring interface (requires option AL1, excludes option AL4)	n/c	24	30	
Opt. AL4	Adds IBM Token Ring interface (requires option AL1, excludes option AL3)	n/c	24	30	
Opt. AL6	Adds attachment to convert one RS-232C connector to three connectors	300	-0-	-0-	
Opt. AL9	Factory-select LAN AUI configuration	n/c	-0-	-0-	

*   Excludes all other options AD7, AD8, ADB, and ADC.

Domain Models 400t and 400s Focused Bundles

Product/ Opt. No.	Description	List Price	HP ApolloLine Service/Mo.		
			System Support	Priority System Support	
A2010A	**Model 400t Domain VRX 2D Monochrome Bundle**, with: • 400t SPU with total of 12 MB ECC RAM (1 Mbit DRAM) • 1280 x 1024 VRX 2D Monochrome Interface • 19-inch Monochrome Monitor • 200 MB Internal SCSI Disk	$10,240	$ 50	$ 65	
Opt. AL3 Opt. AL9	Adds Apollo Token Ring Interface Factory-select LAN AUI configuration *Must also order Domain Series 400 Localization Product A1098A with appropriate National Version option and may order Domain operating system media B1687A.*	n/c n/c	24 -0-	30 -0-	
A2011A	**Model 400t Domain VRX 2D Color Bundle**, with: • 400t SPU with total of 16 MB ECC RAM (1 Mbit DRAM) • 1280 x 1024 VRX 2D Color Interface • 19-inch Color Monitor • 200 MB Internal SCSI Disk	15,640	63	91	
Opt. AL3 Opt. AL9	Adds Apollo Token Ring Interface Factory-select LAN AUI configuration *Must also order Domain Series 400 Localization Product A1098A with appropriate National Version option and may order Domain operating system media B1687A.*	n/c n/c	24 -0-	30 -0-	
A2012A	**Model 400t Domain PersonalVRX P2 3D Color Bundle**, with: • 400t SPU with total of 16 MB ECC RAM (1 Mbit DRAM) • 1280 x 1024 PersonalVRX P2 3D Graphics System • 19-inch Color Monitor • Two 200 MB Internal SCSI Disks	26,890	97	134	
Opt. AL3 Opt. AL9	Adds Apollo Token Ring Interface Factory-select LAN AUI configuration *Must also order Domain Series 400 Localization Product A1098A with appropriate National Version option and may order Domain operating system media B1687A.*	n/c n/c	24 -0-	30 -0-	
A2030A	**Model 400s Domain VRX 2D Monochrome Bundle**, with: • 400s SPU with total of 24 MB ECC RAM (1 Mbit DRAM) • 1280 x 1024 VRX 2D Monochrome Interface • 19-inch Monochrome Monitor • Four ISA Interface Slots • 660 MB Internal SCSI Disk • 1/4-inch QIC format Cartridge Tape Drive	27,880	94	123	
Opt. AL3 Opt. AL9	Adds Apollo Token Ring Interface Factory-select LAN AUI configuration *Must also order Domain Series 400 Localization Product A1098A with appropriate National Version option and may order Domain operating system media B1687A.*	n/c n/c	24 -0-	30 -0-	
A2031A	**Model 400s Domain VRX 2D Color Bundle**, with: • 400s SPU with total of 24 MB ECC RAM (1 Mbit DRAM) • 1280 x 1024 VRX 2D Color Interface • 19-inch Color Monitor • Four ISA Interface Slots • 660 MB Internal SCSI Disk • 1/4-inch QIC format Cartridge Tape Drive	31,480	109	150	
Opt. AL3 Opt. AL9	Adds Apollo Token Ring Interface Factory-select LAN AUI configuration *Must also order Domain Series 400 Localization Product A1098A with appropriate National Version option and may order Domain operating system media B1687A.*	n/c n/c	24 -0-	30 -0-	

Domain Models 400t and 400s Focused Bundles, continued

Product/ Opt. No.	Description	List Price	HP ApolloLine Service/Mo.		
				System Support	Priority System Support
A2032A	**Model 400s Domain PersonalVRX P3 3D Bundle**, with: • 400s SPU with total of 32 MB ECC RAM (4 Mbit DRAM) • 1280 x 1024 PersonalVRX P3 3D Graphics System • 19-inch Color Monitor • Four ISA Interface Slots • 660 MB Internal SCSI Disk • 1/4-inch QIC format Cartridge Tape Drive	$47,680		$150	$196
Opt. AL3 Opt. AL9	Adds Apollo Token Ring Interface Factory-select LAN AUI configuration *Must also order Domain Series 400 Localization Product A1098A with appropriate National Version option and may order Domain operating system media B1687A.*	n/c n/c		24 -0-	30 -0-

Domain 400s Server

Product/ Opt. No.	Description	List Price	HP ApolloLine Service/Mo.		
				System Support	Priority System Support
A2033A	**Model 400s Domain Server**, includes: • Model 400s SPU • Total of 32 MB ECC RAM (4 Mbit DRAM) • Apollo Token Ring • 2x 660 MB Disk • 1/4-inch QIC Tape Drive • 4 ISA slots • Domain 10.2 PSK7 on cartridge tape • Task Broker License-to-Use, 10-user • Task Broker Media and Documentation (1/4-inch tape)	$38,730		$131	$159
Opt. AL9 Opt. ADK Opt. ADL	Factory-select LAN AUI Configuration Monochrome VRX and 19-inch monochrome monitor Color VRX and 19-inch color monitor *Must also order Domain Series 400 Localization Product A1098A with appropriate National Version option and may order Domain operating system media B1687A.*	n/c 1,800 5,400		-0- 10 25	-0- 18 45

Domain Model 400dl Diskless

Product/ Opt. No.	Description	List Price	HP ApolloLine Service/Mo.		
				System Support	Priority System Support

A1630B	**Model 400dl** , includes:
	• 50 MHz 68030
	• 8 MB ECC RAM, expandable to 16 MB
	• 32 bit DIO-II graphics interface
	• Internal I/O
	  – HP-HIL interface
	  – Domain keyboard inteface
	  – RS-232C serial interface, expandable to 3 interfaces
	  – IEEE 802.3 Ethernet LAN interface with ThinMAU and BNC
	    "T" connector and AUI (jumper selectable)
	    (Configured to activate ThinMAU and BNC connector;
	    May be configured to activate AUI instead with Opt. AL9)
	• License-to-Use Domain OS (Sys V.3, BSD4.3, AEGIS)
	• License-to-Use HP-HX 7.0 and 7.03
	• 1280 x 1024 Monochrome VRX Interface
	• 19-inch Monochrome 1280 x 1024 Monitor
		$4,890		$ 10	$ 18

Opt. AGK	**Primary Operating System**, must include: Select Domain Operating System use *May also order 1/4-inch cartridge tape media B1687A.*	n/c		29	33
Opt. AN4 Opt. AL9	**Options**, may choose: Add 8 MB RAM (1 Mbit DRAM) Factory-select LAN AUI Configuration	4,000 n/c		2 -0-	4 -0-
	Must also order Domain Series 400 Localization Product A1098A with appropriate National Version option and Domain operating system media B1687A.				

Operating System Media for Domain Series 400

Product/ Opt. No.	Description	List Price	HP ApolloLine Service/Mo.		
				System Support	Priority System Support
B1687A	Domain PSK7 of V10.2 on 1/4-inch QIC format cartridge tape	n/c		n/a	n/a
LFZ70BAD	Domain PSK8 of V10.3 on 1/4-inch QIC format cartridge tape	n/c		n/a	n/a

Domain Operating System Documentation for Domain Series 400

Model No.	Part No.	Description
98778-90001	98778-90602	HP 98778A Monitor Installation Instructions
98774-90001	98774-90601	HP 98774A Monitor Installation Instructions
98779-90001	98779-90601	HP 98779A Monitor Installation Instructions
5960-1511	5960-1511	Servicing HP Workstation Monitors
A1630-90001	A1630-90601	Installing the Series 400 Workstation QRC
A1630-90002	A1630-90602	Series 400 Technical Reference
A1630-90003	A1630-90603	Installation Instructions/Internal Disk Drives
A1630-90005	A1630-90605	Series 400 DM/OS Owners Guide
A1630-90006	A1630-90606	Series 400 HP-UX Owners Guide
A1421-90004	A1421-90604	Series 400 Configuration Workstation
A1421-90001	A1421-90601	Installing the Series 400 Workstation QRC
A1096-90000	A1096-90600	Installation Instructions/Graphics

Domain Series 400 Upgrades

Note: Upgrades must be ordered on a separate section or order number from the Series 400 SPU or Bundle.

Product/ Opt. No.	Description	List Price	HP ApolloLine Service/Mo.		
				System Support	Priority System Support
A2041A	**Domain Model 400t to 425t or 400dl to 425dl Upgrade Kit,** with: • 25 MHz MC68040 CPU • Boot ROM • Installation Documentation • Current Domain License-to-Use • Current HP-UX License-to-Use	$2,000		-0-	-0-
Opt. AAS	Domain/OS 10.3 Media and Manuals • Domain/OS 10.3 and PSK8 on 1/4-inch Cartridge Tape • Domain 10.3 Documentation	595		n/a	n/a
A2043A	**Domain Model 400s to 433s Upgrade Kit,** with: • 33 MHZ MC68040 CPU • Boot ROM • Clock crystal • Installation Documentation • Current Domain License-to-Use • Current HP-UX License-to-Use	2,000		-0-	-0-
Opt. AAS	Domain/OS 10.3 Media and Manuals • Domain/OS 10.3 and PSK8 on 1/4-inch Cartridge Tape • Domain 10.3 Documentation	595		n/a	n/a
Opt. AL9	Replaces four ISA Interface Slots with four EISA Interface Slots	1,000		-0-	-0-
98706A	Upgrade from PersonalVRX P2 w/8 Planes Solid rendering Graphics (98705A) to PersonalVRX P3 w/16 Planes plus 16 Bit Z-Buffer solids rendering graphics w/Dynamic Shading (98705B)	6,000		$ 6	$ 7

Domain Series 400 Graphics Standalone Products

Product/ Opt. No.	Description	List Price	HP ApolloLine Service/Mo.		
				System Support	Priority System Support
A1096A	**VRX Mono** High resolution (1280 x 1024) monochrome graphics	$1,200		-0-	-0-
A1416A	**VRX Color** High resolution (1280 x 1024) color graphics consist of 10 planes with 8 color and 2 overlay planes	4,200		-0-	-0-
98705A	**PersonalVRX P2** (Must order with option 701) Entry 3D wireframe graphics consisting of 8 planes and upgradeable to P3	15,000		$ 27	$ 34
Opt. 701	Mounting kit for Series 400	n/c		n/a	n/a
98705B	**PersonalVRX P3** (Must order with option 701) Advanced 3D wireframe and solids graphics consisting of 16 planes and Z-buffer	19,000		33	41
Opt. 701	Mounting kit for Series 400	n/c		n/a	n/a
98774A	**Monochrome Monitor** Monochrome display (1280 x 1024) for A1096A	1,720		10	18
98789A	**16" Color Monitor** 16" color display (1280 x 1024) for VRX Color and PersonalVRX	3,725		5	10
98754A	**19" Color Monitor** 19" color display (1280 x 1024) for VRX Color and PersonalVRX	6,850		25	45

Add-on Hardware Accessories for Domain Series 400
Note: Accessory products listed here are customer installable unless otherwise specified.

Product/ Opt. No.	Description	List Price	HP ApolloLine Service/Mo.		
				System Support	Priority System Support
A1440A	200 MB Internal Disk Upgrade Kit for Model 400t	$ 2,850		$ 7	$ 9
A1442A	330 MB Internal Disk Upgrade Kit for Model 400s	4,900		10	13
A1444A	660 MB Internal Disk Upgrade Kit for Model 400s	7,500		15	19
A1449A	1/4-inch QIC Format Tape Drive Upgrade Kit for Model 400s	2,400		25	31
98229B	8 MB ECC RAM Board (1 Mbit DRAM) for Models 400t or 400s	5,000		2	4
98229C	4 MB ECC RAM Board (1 Mbit DRAM) for Model 400t	2,500		4	5
98229E	32 MB ECC RAM Board (4 Mbit DRAMs) for Model 400s	12,500		14	17
98229G	400 Mega Pack RAM (50 x 8 MB)	150,000		n/a	n/a
98229H	800 Mega Pack RAM (100 x 8 MB)	260,000		n/a	n/a
98229J	2 Giga Pack RAM (250 x 8 MB)	575,000		n/a	n/a
98229K	4 Giga Pack RAM (500 x 8 MB)	1,000,000		n/a	n/a
K2207	1.5' SCSI Cable – two low density screw connectors	49		n/a	n/a
K2208	3' SCSI Cable – two low density screw connectors	52		n/a	n/a
K2209	5' SCSI Cable – two low density screw connectors	55		n/a	n/a
K2210	8' SCSI Cable – two low density screw connectors	62		n/a	n/a
K2211	10' SCSI Cable – two low density screw connectors	66		n/a	n/a
92222A	.5m SCSI Cable – two low density bail connectors	49		n/a	n/a
92222B	1m SCSI Cable – two low density bail connectors	55		n/a	n/a
K2284	3' SCSI Cable – low density connectors: one screw, one bail	40		n/a	n/a
K2283	5' SCSI Cable – low density connectors: one screw, one bail	45		n/a	n/a
K2286	3' SCSI Cable – high density connector to low density bail connector	79		n/a	n/a
K2285	5' SCSI Cable – high density connector to low density bail connector	82		n/a	n/a
K2288	3' SCSI Cable – high density connector to low density screw connector	85		n/a	n/a
K2287	5' SCSI Cable – high density connector to low density screw connector	89		n/a	n/a
K2291	SCSI low density bail terminator	40		n/a	n/a
K2290	SCSI low density screw terminator	42		n/a	n/a
K2289	SCSI high density terminator	99		n/a	n/a
K1015	Cable to convert Series 400 RS232C connector into three RS232C connectors	325		n/a	n/a

Domain Series 400 System Support

HP ApolloLine Service

HP ApolloLine Priority System Support and HP ApolloLine System Support services provide you with high-quality support that enables you to maximize system uptime and productivity. These services provide complete system support for your Apollo products. You receive unlimited telephone assistance from our operating system support specialists. You also have the flexibility to choose the hardware response time and coverage periods that best meet your needs.

When you buy Hewlett-Packard's support, you benefit from our investment in support resources. If a hardware problem arises, you receive assistance from your local HP engineers. If an operating system software problem arises, you receive unlimited telephone assistance from the HP Response Center. In both cases, HP backs you with timely response and the strength of local and worldwide resources.

With HP ApolloLine Priority System Support and HP ApolloLine System Support services, you have the flexibility to choose the hardware coverage that meets your needs. The right choice for you depends upon the critical nature of your applications and the availability of alternate computing resources.

Support Selection Guide for HP ApolloLine Services*

	Priority System Support	System Support
Hardware coverage hours	8 am – 9 pm† Mon – Fri	8 am – 5 pm Mon – Fri
Hardware response time	Best response; not to exceed 4 hours	Next working day
Operating system coverage hours	8:30 am – 8 pm (eastern) Mon – Fri	8:30 am – 8 pm (eastern) Mon – Fri
Usage	Urgent	Less critical

* Subject to local availability. Please check with your local office for detailed coverage hours.

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

For complete system support, you may choose from two services:

HP ApolloLine Priority System Support Service. If you require maximum availability during standard business hours and evenings and HP's fastest response for on-site hardware maintenance, then this service will meet your needs. On-site hardware support is available for several business hours beyond the standard business day, and HP will respond to your service request as quickly as possible.[1] The HP Response Center provides unlimited telephone assistance to resolve your operating system questions and problems. Quick, direct access to valuable product and support information is included through HP SupportLine electronic support.

HP ApolloLine System Support Service. If your application allows for on-site hardware maintenance on the following business day, then this service will be your most cost-effective solution for support. This service is ideal if you have spare or substitute equipment. The HP Response center provides unlimited telephone assistance to resolve your operating system questions and problems. Quick, direct access to valuable product and support information is included through HP SupportLine electronic support.

[1]Response time of 4 hours, but typical response times are shorter.

HP-UX Series 400 System Processor Units (SPUs), Bundles, and Upgrades

Introduction
This section contains price information on HP-UX Series 400 System Processor Units (SPUs), Series 400 Bundles, and Upgrades from the Motorola 68030 CPU in those SPUs to the more powerful 68040 CPU. Series 400 SPUs support either the Domain 10.2 operating system with PSK 7 or the HP-UX 7.0 or 7.03 operating system, including support of related networking capabilities. However, to avoid confusion, this section (pages 10 through 21) contains only products and options that pertain to ordering HP-UX Series 400. Pages 1 through 10 provide the same information on Domain Series 400. The Series 400 require a choice of primary operating system, graphics interface/system, monitor, and localization product with appropriate national version option, which includes a keyboard, 3-button mouse, a localized manual set, cables (power cord, mouse cable, keyboard cable, cable to connect monitor to the graphics interface) and appropriate power configuration.

HP-UX Models 400t and 400s System Processor Units

Note: Must order Localization Kit with each system.

Product/ Opt. No.	Description	List Price	HP SuccessLine Service/Mo. Sched	Next Day	Priority	Priority Plus
A1099A	HP-UX Series 400 Localization Kit with HP-HIL keyboard, 3-button mouse, localized system manual set, and appropriate power configuration (must order one of National Version options ABA through AB1)	$100	-0-	-0-	-0-	-0-
Opt. ABA	U.S. English Version	n/c	-0-	-0-	-0-	-0-
Opt. ABC	Canadian French Version	n/c	-0-	-0-	-0-	-0-
Opt. ABD	German Version	n/c	-0-	-0-	-0-	-0-
Opt. ABE	European Spanish Version	n/c	-0-	-0-	-0-	-0-
Opt. AFE	European French Version	n/c	-0-	-0-	-0-	-0-
Opt. ABH	Dutch Version	n/c	-0-	-0-	-0-	-0-
Opt. ABJ	Katakana (Japanese) Version	n/c	-0-	-0-	-0-	-0-
Opt. ABK	ICON/European ASCII Version	n/c	-0-	-0-	-0-	-0-
Opt. ABM	Latin American Spanish Version	n/c	-0-	-0-	-0-	-0-
Opt. ABN	Norwegian Version	n/c	-0-	-0-	-0-	-0-
Opt. ANP	Swiss German Version	n/c	-0-	-0-	-0-	-0-
Opt. ABQ	Swiss French Version	n/c	-0-	-0-	-0-	-0-
Opt. ABS	Swedish Version	n/c	-0-	-0-	-0-	-0-
Opt. ABU	U.K. English Version	n/c	-0-	-0-	-0-	-0-
Opt. ABW	Belgian Dutch Version	n/c	-0-	-0-	-0-	-0-
Opt. ABX	Finnish Version	n/c	-0-	-0-	-0-	-0-
Opt. ABY	Danish Version	n/c	-0-	-0-	-0-	-0-
Opt. ABZ	Italian Version	n/c	-0-	-0-	-0-	-0-
Opt. ACA	Kanji (Japanese) Version	n/c	-0-	-0-	-0-	-0-
Opt. AB0	Taiwanese Version	n/c	-0-	-0-	-0-	-0-
Opt. AB1	Korean Version	n/c	-0-	-0-	-0-	-0-

HP-UX Models 400t and 400s System Processor Units, continued

Product/ Opt. No.	Description	List Price	HP SuccessLine Service/Mo.			
			Sched	Next Day	Priority	Priority Plus

A1630A	**Model 400t System Processor Unit**, consisting of:
	• 50 MHz 68030 CPU and 50 MHz 68882 Floating Point Processor
	• 8 MB ECC RAM, expandable to 32 MB
	• 32-bit DIO-II graphics interface
	• Built-in internal I/O interfaces:
	  – Domain keyboard interface
	  – HP-HIL interface
	  – RS-232C interface, expandable from 1 port to 3 ports
	  – SCSI interface (high density connector)
	  – Centronics-compatible parallel interface
	  – IEEE 802.3 Ethernet LAN interface with ThinMAU and BNC "T" connector configuration
	• License-to-Use Domain Operating System (SysV.3, BSD4.3, AEGIS)
	• License-to-Use HP-UX 7.0 and 7.03
	
	Must also order HP-UX Series 400 Localization product A1099A with appropriate National Version option.
		n/c	-0-	-0-	-0-	-0-

Opt. AG1	**Primary Operating System Option (must order)** Select HP-UX operating system use (order media separately)	n/c	$ 12	$ 17	$ 21	$ 26
Opt. AD7*	**Graphics Interface/System options (must order one)** Provides 1280 x 1024 VRX 2D monochrome graphics interface *Supports only the option ADG 19-inch monochrome monitor.*	$ 6,890	-0-	-0-	-0-	-0-
Opt. AD8*	Provides 1280 x 1024 VRX 2D color graphics interface (supports option ADH and ADJ color monitors)	8,890	-0-	-0-	-0-	-0-
Opt. ADA*	Provides 1280 x 1024 PersonalVRX P1 3D color graphics system (supports option ADH and ADJ color monitors)	14,890	17	23	29	36
Opt. ADB*	Provides 1280 x 1024 PersonalVRX P2 3D color wireframe graphics system (supports option ADH and ADJ color monitors)	18,890	20	27	34	42
Opt. ADC*	Provides 1280 x 1024 PersonalVRX P3 3D color wireframe/solids graphics system (supports option ADH and ADJ color monitors)	22,890	25	33	41	51
Opt. ADG	**Monitor options (must order one)** Provides 19-inch 1280 x 1024 Monochrome Monitor (excludes options ADH and ADJ). *Only availble with option AD7.*	n/c	7	10	18	23
Opt. ADH	Provides 16-inch 1280 x 1024 Color Monitor (excludes options AD7, ADG and ADJ)	n/c	3	5	10	13
Opt. ADJ	Provides 19-inch 1280 x 1024 Color Monitor (excludes options AD7, ADG and ADH)	2,000	17	25	45	56
Opt. AN2 Opt. AN4	**ECC RAM options (may order total of three of AN2 and AN4)** Adds 4 MB ECC RAM based on 1 MB DRAMs Adds 8 MB ECC RAM based on 1 MB DRAMs	2,000 4,000	3 1	4 2	5 4	6 5
Opt. AM0 Opt. AM2	**Internal Mass Storage options for HP-UX (may order one of each)** Adds 200MB SCSI Disk Adds second 200 MB SCSI Disk. *Requires option AMO*	2,500 2,500	5 5	7 7	9 9	11 11
Opt. 0D5	**Disk Software Pre-Load options (may order one)** Instant Ignition HP-UX 7.0 software pre-load with HP Desktop, which includes Centronics driver. *Requires options AM0 and AD8.*	75	n/a	n/a	n/a	n/a
Opt. 0D6	Instant Ignition HP-UX 7.03 software pre-load with HP VUE, which includes Centronics driver. *Requires option AM0.*	75	n/a	n/a	n/a	n/a
Opt. AL5 Opt. AL7 Opt. AL8 Opt. AL9	**Additional I/O options (may order one of each)** Adds IEEE-488 HP-IB standard speed interface Adds HP-HIL ID Module Adds Centronics Software Driver (included with 0D5 or 0D6) Factory-select LAN AUI configuration	n/c 195 100 n/c	-0- -0- n/a -0-	-0- -0- n/a -0-	-0- -0- n/a -0-	-0- -0- n/a -0-

* Excludes all other options AD7, AD8, ADA, ADB, and ADC.

HP-UX Models 400t and 400s System Processor Units, continued

Product/ Opt. No.	Description	List Price	HP SuccessLine Service/Mo.			
			Sched	Next Day	Priority	Priority Plus

A1421A	**Model 400s System Processor Unit,** consisting of:
	• 50 MHz 68030 CPU and 50 MHz 68882 Floating Pont Processor
	• 8 MB ECC RAM, expandable to 128 MB
	• Two 32-bit DIO-II graphics slots
	• Built-in internal I/O interfaces
	  – Domain keyboard interface
	  – HP-HIL interface
	  – RS-232C interface
	  – SCSI interface (high density connector)
	  – Centronics-compatible parallel interface
	  – IEEE 802.3 Ethernet LAN interface with ThinMAU and BNC
	    "T" connector configuration
	• License-to-use Domain operating system (SysV.3, BSD4.3, AEGIS)
	– License-to-use HP-UX 7.0 and 7.03
	
	Must also order HP-UX Series 400 Localization product A1099A with appropriate National Version option.
		$11,890	-0-	-0-	-0-	-0-

Opt. AG1	**Primary Operating System Option (must order)** Select HP-UX operating system use (order media separately)	n/c	$ 18	$ 24	$ 30	$ 37
Opt. AD7*	**Graphics Interface/System options (may order one)** Provides 1280 x 1024 VRX 2D monochrome graphics interface *Supports only the option ADG 19-inch monochrome monitor.*	2,000	-0-	-0-	-0-	-0-
Opt. AD8*	Provides 1280 x 1024 VRX 2D color graphics interface (supports option ADH and ADJ color monitors)	4,000	-0-	-0-	-0-	-0-
Opt. ADB*	Provides 1280 x 1024 PersonalVRX P2 3D wireframe color graphics system (supports option ADH and ADJ color monitors)	14,000	20	27	34	42
Opt. ADC*	Provides 1280 x 1024 PersonalVRX P3 3D wireframe/solids color graphics system (supports option ADH and ADJ color monitors)	18,000	25	33	41	51
Opt. ADD*	Provides 1280 x 1024 TurboVRX T1 3D solids color graphics system supported only in HP-UX Series 400 with option ADJ color monitor	40,000	64	85	106	132
Opt. ADE*	Provides 1280 x 1024 TurboVRX T2 3D solids color graphics system supported only in HP-UX Series 400 with option ADJ color monitor	60,000	97	130	162	202
Opt ADF*	Provides 1280 x 1024 TurboVRX T3 3D solids color graphics system supported only in HP-UX Series 400 with option ADJ color monitor	80,000	127	170	212	263
Opt. ADG	**Monitor options (may order one; if ordered, must order one of AD7 - ADF)** Provides 19-inch 1280 x 1024 Monochrome Monitor (excludes options ADH and ADJ). *Requires monochrome graphics interface AD7.*	n/c	7	10	18	23
Opt. ADH	Provides 16-inch 1280 x 1024 Color Monitor (orderable only with option AD8, ADB, or ADC; excludes optionsAD7, ADG and ADJ)	n/c	3	5	10	13
Opt. ADJ	Provides 19-inch 1280 x 1024 Color Monitor (excludes options AD7, ADG and ADH)	2,000	17	25	45	56
Opt. AN1	**ECC RAM options (may order total of three AN4 and AN6)** Converts original 8 MB RAM (1 Mbit DRAM) to 32 MB (4 Mbit DRAMs)	12,000	9	12	13	17
Opt. AN4	Adds 8 MB ECC RAM based on 1 MB DRAMs	4,000	1	2	4	5
Opt. AN6	Adds 32 MB ECC RAM based on 4 MB DRAMs	12,000	10	14	17	22
Opt. AM2	**Internal Mass Storage options (may order one of each)** Adds 330 MB SCSI Disk. *Excludes AM4.*	4,500	7	10	13	16
Opt. AM4	Adds 660 MB SCSI Disk. *Excludes AM2.*	7,100	11	15	19	23
Opt. AM6	Adds second 660 MB SCSI Disk. *Requires option AM4.*	7,100	11	15	19	23
Opt. AM8	Adds CD ROM Drive	1,700	13	18	22	27

* Selection excludes all other graphics interface system options: AD7, AD8, ADB, ADC, ADD, ADE and ADF.

HP-UX Models 400t and 400s System Processor Units, continued

Product/ Opt. No.	Description	List Price	HP SuccessLine Service/Mo.			
			Sched	Next Day	Priority	Priority Plus
A1421A	**Model 400s System Processor Unit options**, continued:					
	Disk Software Pre-Load options (may order one)					
Opt. 0D5	Instant Ignition HP-UX 7.0 software pre-load with HP Desktop, which includes Centronics driver. *Requires Options AM2 or AM4 and AD8*	$ 75	n/a	n/a	n/a	n/a
Opt. 0D6	Instant Ignition HP-UX 7.03 software pre-load with HP VUE, which includes Centronics driver. *Requires options AM2 or AM4.*	75	n/a	n/a	n/a	n/a
	Additional I/O options for Series 400 (may order one of each)					
Opt. AL0	Adds 3 DIO-II Interface Slots. *Note: Precludes later conversion to EISA internal card cage*	1,000	-0-	-0-	-0-	-0-
Opt. AL5	Adds IEEE-488 HP-IB standard speed interface	n/c	-0-	-0-	-0-	-0-
Opt. AL7	Adds HP-HIL Module	195	-0-	-0-	-0-	-0-
Opt. AL8	Adds Centronics Software Driver (included with 0D5 or 0D6)	100	n/a	n/a	n/a	n/a
Opt. AL9	Factory-select LAN AUI configuration	n/c	-0-	-0-	-0-	-0-

HP-UX Models 400t and 400s Focused Bundles*

Product/ Opt. No.	Description	List Price	HP SuccessLine Service/Mo.			
			Sched	Next Day	Priority	Priority Plus
A2000A	**Model 400t HP-UX VRX 2D Monochrome Bundle**, with: • 400t SPU with total of 12 MB ECC RAM (1 Mbit DRAM) • 1280 x 1024 VRX 2D Monochrome Interface • 19-inch Monochrome Monitor • 200 MB Internal SCSI Disk • IEEE-488 HP-IB (standard speed) • Instant Ignition HP-UX 7.03 and HP VUE pre-loaded software	$10,240	$ 28	$ 38	$ 53	$ 66
Opt. AL9	Factory-select LAN AUI configuration	n/c	-0-	-0-	-0-	-0-
	Must also order HP-UX Series 400 Localization product A1099A with appropriate National Version option. Must order an ID module (46084A) separately if application requires.					
A2001A	**Model 400t HP-UX VRX 2D Color Bundle**, with: • 400t SPU with total of 16 MB ECC RAM (1 Mbit DRAM) • 1280 x 1024 VRX 2D Color Interface • 19-inch Color Monitor • 200 MB Internal SCSI Disk • IEEE-488 HP-IB (standard speed) • Instant Ignition HP-UX 7.03 and HP VUE pre-loaded software	15,640	36	51	79	98
Opt. 0D5	Replaces HP-UX 7.03 pre-loaded software with HP-UX 7.0 software	n/c	n/a	n/a	n/a	n/a
Opt. AL9	Factory-select LAN AUI configuration	n/c	-0-	-0-	-0-	-0-
	Must also order HP-UX Series 400 Localization product A1099A with appropriate National Version option. Must order an ID module (46084A) separately if application requires.					
A2002A	**Model 400t HP-UX PersonalVRX P2 3D Color Bundle**, with: • 400t SPU with total of 16 MB ECC RAM (1 Mbit DRAM) • 1280 x 1024 PersonalVRX P2 3D Graphics System • 19-inch Color Monitor • Two 200 MB Internal SCSI Disk • IEEE-488 HP-IB (standard speed) • Instant Ignition HP-UX 7.03 and HP VUE pre-loaded software	26,890	61	85	122	151
Opt. AL9	Factory-select LAN AUI configuration	n/c	-0-	-0-	-0-	-0-
	Must also order HP-UX Series 400 Localization product A1099A with appropriate National Version option. Must order an ID module (46084A) separately if application requires.					

* The Series 400 HP-UX focused bundles do not include the 46084A ID module.

HP-UX Models 400t and 400s Focused Bundles, continued

Product/ Opt. No.	Description	List Price	HP SuccessLine Service/Mo.			
			Sched	Next Day	Priority	Priority Plus
A2020A	**Model 400s HP-UX VRX 2D Monochrome Bundle**, with: • 400s SPU with total of 24 MB ECC RAM (1 Mbit DRAM) • 1280 x 1024 VRX 2D Monochrome Interface • 19-inch Monochrome Monitor • 660 MB Internal SCSI Disk • IEEE-488 HP-IB (standard speed) • Instant Ignition HP-UX 7.03 and HP VUE pre-loaded software	$26,080	$ 38	$ 53	$ 75	$ 93
Opt. AL0	Adds three DIO-II Interface Slots. *Note: Precludes later conversion to EISA internal card cage*	900	-0-	-0-	-0-	-0-
Opt. AL9	Factory-select LAN AUI configuration	n/c	-0-	-0-	-0-	-0-
	Must also order HP-UX Series 400 Localization product A1099A with appropriate National Version option. Must order an ID module (46084A) separately if application requires.					
A2021A	**Model 400s HP-UX VRX 2D Color Bundle**, with: • 400s SPU with total of 24 MB ECC RAM (1 Mbit DRAM) • 1280 x 1024 VRX 2D Color Interface • 19-inch Color Monitor • 660 MB Internal SCSI Disk • IEEE-488 HP-IB (standard speed) • Instant Ignition HP-UX 7.03 and HP VUE pre-loaded software	29,680	48	68	102	126
Opt. AL0	Adds three DIO-II Interface Slots. *Note: Precludes later conversion to EISA internal card cage*	900	-0-	-0-	-0-	-0-
Opt. 0D5	Replaces HP-UX 7.03 pre-loaded software with HP-UX 7.0 software	n/c	n/a	n/a	n/a	n/a
Opt. AL9	Factory-select LAN AUI configuration	n/c	-0-	-0-	-0-	-0-
	Must also order HP-UX Series 400 Localization product A1099A with appropriate National Version option. Must order an ID module (46084A) separately if application requires.					
A2022A	**Model 400s HP-UX PersonalVRX P3 3D Color Bundle**, with: • 400s SPU with total of 32 MB ECC RAM (4 Mbit DRAM) • 1280 x 1024 PersonalVRX P3 3D Graphics Subsystem • 19-inch Color Monitor • 660 MB Internal SCSI Disk • IEEE-488 HP-IB (standard speed) • Instant Ignition HP-UX 7.03 HP VUE pre-loaded software	45,880	80	109	148	184
Opt. AL0	Adds three DIO-II Interface Slots. *Note: Precludes later conversion to EISA internal card cage.*	900	-0-	-0-	-0-	-0-
Opt. AL9	Factory-select LAN AUI configuration	n/c	-0-	-0-	-0-	-0-
	Must also order HP-UX Series 400 Localization product A1099A with appropriate National Version option. Must order an ID module (46084A) separately if application requires.					
A2023A	**Model 400s HP-UX TurboVRX T2 3D Color Bundle**, with: • 400s SPU with total of 32 MB ECC RAM (4 Mbit DRAM) • 1280 x 1024 TurboVRX T2 3D Graphics Subsystem • 19-inch Color Monitor • 660 MB Internal SCSI Disk • IEEE-488 HP-IB (standard speed) • Instant Ignition HP-UX 7.03 per-loaded software	83,680	152	206	269	335
Opt. AL0	Adds three DIO-II Interface Slots. *Note: Precludes later conversion to EISA internal card cage.*	900	-0-	-0-	-0-	-0-
Opt. AL9	Factory-select LAN AUI configuration	n/c	-0-	-0-	-0-	-0-
	Must also order HP-UX Series 400 Localization product A1099A with appropriate National Version option. Must order an ID module (46084A) separately if application requires.					

HP-UX Series 400 Server

Product/ Opt. No.	Description	List Price	HP SuccessLine Service/Mo.			
			Sched	Next Day	Priority	Priority Plus
A2024A	**Model 400s HP-UX Server**, includes: • Model 400s SPU • Total of 32 MB ECC RAM (4 Mbit DRAM) • 2x 660 MB Disk • Add 3 DIO-II slots • IEEE-488 HP-IB (standard speed) • Instant Ignition (HP-UX 7.03 and HP VUE pre-loaded software) • HP-UX 7.03 License-to-Use, 16-user • Task Boker License-to-Use, 10-user • Task Broker Media and Documentation (1/4-inch tape)	$38,520	$ 49	$ 66	$ 81	$100
Opt. AL9	Factory-select LAN AUI configuration	n/c	-0-	-0-	-0-	-0-
Opt. ADK Opt. ADL	**Must order one** Monochrome VRX and 19-inch monochrome monitor Color VRX and 19-inch color monitor	1,800 5,400	7 17	10 25	18 45	23 56
	Note: Must order HP-UX localization kit, product number A1099A.					

HP-UX Series 400dl Diskless

Product/ Opt. No.	Description	List Price	HP SuccessLine Service/Mo.			
			Sched	Next Day	Priority	Priority Plus

A1630B	**Model 400dl**, includes:
	• 50 MHz 68030
	• 8 MB ECC RAM, expandable to 16 MB
	• 32-bit DIO-II graphics interface
	• Internal I/O
	  – HP-HIL interface
	  – Domain keyboard interface
	  – RS-232C serial interface
	  – IEEE 802.3 Ethernet LAN interface with ThinMAU and BNC "T" connector and AUI (jumper selectable)
	    (Configured to activate ThinMAU and BNC connector; may be configured to activate AUI instead with Opt. AL9.)
	• License-to-Use HP-UX 7.0 and 7.03
	• License-to-use Domain OS (SysV.3, BSD4.3, AEGIS)
	• 1280 x 1024 Monochrome VRX Interface
	• 19-inch Monochrome Monitor
		$4,890	$ 7	$ 10	$ 18	$ 23

Opt. AG1	**Primary Operating System, must include:** Select HP-UX operating system use (order media separately)	n/c	13	17	21	26
	Note: Must order HP-UX localization kit, product number A1099A. The 46084A ID module must be ordered separately if application requires.					
Opt. AN4 Opt. AL9	**Options, may choose:** Add 8 MB RAM (1 Mbit DRAM) Factory-select LAN AUI configuration	4,000 n/c	1 -0-	2 -0-	4 -0-	5 -0-

HP-UX Series 400 Upgrades

Note: Upgrades must be ordered on a separate section or order number from the Series 400 SPU or Bundle.

Product/ Opt. No.	Description	List Price	HP SuccessLine Service/Mo.			
			Sched	Next Day	Priority	Priority Plus
A2040A	**HP-UX Model 400t to 425t or 400dl to 425dl Upgrade Kit**, with: • 25 MHz MC68040 CPU • Boot ROM • Installation Documentation • Current Domain License-to-Use • Current HP-UX License-to-Use	$2,000	-0-	-0-	-0-	-0-
Opt. AAR	2-user HP-UX 7.05 Media and Manuals • HP-UX 7.05 on 1/4-inch Cartridge Tape • 2-user Documentation (does not include Programming Documentation kit)	595	n/a	n/a	n/a	n/a
A2042A	**HP-UX Model 400s to 433s Upgrade Kit**, with: • 33 MHz MC68040 CPU • Boot ROM • Clock crystal • Installation Documentation • Domain 10.3 License-to-Use • HP-UX 7.05 License-to-Use	2,000	-0-	-0-	-0-	-0-
Opt. AAR	HP-UX 7.05 Media and Manuals • HP-UX 7.05 on 1/4-inch cartridge tape • 2-user documentation (must order programming documentation separately)	595	n/a	n/a	n/a	n/a
Opt. AL9	Adds 4 EISA Slots to Model 400s that does not have 3 additional DIO-II slots	1,000	-0-	-0-	-0-	-0-
98706A	**Upgrade from PersonalVRX P2** with 8 Planes Solids Rendering Graphics (98705A) to PersonalVRX P3 with 16 Planes plus 16-bit Z-buffer Solids Rendering Graphics w/Dynamic Shading (98705B)	6,000	$ 5	$ 6	$ 7	$ 9
98737A	**Upgrade from TurboVRX T1** with 24 Planes plus 24-bit Z-buffer Solids Rendering Graphics and one Transform Engine (98735A) to TurboVRX T2 with 24 Planes plus 24-bit Z-buffer Solids Color Graphics and two Transform Engines (98736A)	22,000	33	45	56	70
98739A	**Upgrade from TurboVRX T1** with 24 Planes plus 24-bit Z-buffer Advanced Solids Color Graphics and one Transform Engine (98735A) to TurboVRX T3 with 24 Planes plus 24-bit Z-buffer Advanced Solids Color Graphics and three Transform Engines (98736B)	42,000	63	85	106	131
98738A	**Upgrade from TurboVRX T2** with 24 Planes plus 24-bit Z-buffer Advanced Solids Color Graphics and two Transform Engines (98736A) to TurboVRX T3 with 24 Planes plus 24-bit Z-butter Advanced Solids Color Graphics and three Transform Engines (98736B)	22,000	30	40	50	61

HP-UX Series 400 Graphics Standalone Products

Product/ Opt. No.	Description	List Price	HP SuccessLine Service/Mo.			
			Sched	Next Day	Priority	Priority Plus
A1096A	**VRX Mono** High resolution (1280 x 1024) monochrome graphics	$ 1,200	-0-	-0-	-0-	-0-
A1416A	**VRX Color** High resolution (1280 x 1024) color graphics consist of 10 planes with 8 color and 2 overlay planes	4,200	-0-	-0-	-0-	-0-
98705A	**PersonalVRX P2** (must order with option 701) Entry 3D wireframe graphics consisting of 8 planes and upgradeable to P3	15,000	$ 20	$ 27	$ 34	$ 42
Opt. 701	Mounting kit for Series 400	n/c	n/a	n/a	n/a	n/a
98705B	**PersonalVRX P3** (must order with option 701) Advanced 3D wireframe and solids graphics consisting of 16 planes and Z-buffer	19,000	25	33	41	51
Opt. 701	Mounting kit for Series 400	n/c	n/a	n/a	n/a	n/a
98735A	**TurboVRX T1** Entry level configuration of advanced 3D graphics containing one transform engine and upgradeable to T2. Available on HP-UX only.	41,000	64	85	106	132
98736A	**TurboVRX T2** Middle level configuration of advanced 3D graphics containing two transform engines and upgradeable to T3. Available on HP-UX only.	61,000	97	130	162	202
98736B	**TurboVRX T3** High level configuration of advanced 3D graphics containing three transform engines. Available on HP-UX only.	81,000	127	170	212	263
98774A	**Monochrome Monitor** Monochrome display (1280 x 1024) for A1096A	1,720	7	10	18	23
98789A	**16" Color Monitor** 16" color display (1280 x 1024) for VRX color and PersonalVRX	3,725	3	5	10	13
98754A	**19" Color Monitor** 19" color display (1280 x 1024) for VRX color, PersonalVRX and TurboVRX	6,850	17	25	45	56

Add-on Hardware Accessories for HP-UX Series 400
Note: Accessory products listed here are customer installable unless otherwise specified.

Product/ Opt. No.	Description	List Price	HP SuccessLine Service/Mo.			
			Sched	Next Day	Priority	Priority Plus
A1440A	200 MB Internal Disk Upgrade Kit for Model 400t	$2,850	$ 5	$ 7	$ 9	$ 11
A1442A	330 MB Internal Disk Upgrade Kit for Model 400s	4,900	7	10	13	16
A1443A	660 MB Internal Disk Upgrade Kit for Model 400s	7,500	11	15	19	23
A1447A	1.3 GB Digital Data Storage (4 mm) Tape Drive Upgrade Kit for Model 400s	5,100	19	26	32	40
A1448A	CD ROM Drive Upgrade Kit for Model 400s	2,000	13	18	22	27
98229B	8 MB ECC RAM (1 Mbit DRAM) for Models 400t or 400s	5,000	1	2	4	5
98229C	4 MB ECC RAM (1 Mbit DRAM) for Model 400t	2,500	3	4	5	6
98229E	32 MB ECC RAM (4Mbit DRAMs) for Model 400s	12,500	10	14	17	22
98229G	400 Mega Pack RAM (50 x 8 MB)	150,000	n/a	n/a	n/a	n/a
98229H	800 Mega Pack RAM (100 x 8 MB)	260,000	n/a	n/a	n/a	n/a
98229J	2 Giga Pack RAM (250 x 8 MB)	575,000	n/a	n/a	n/a	n/a
98229K	4 Giga Pack RAM (500 x 8 MB)	1,000,000	n/a	n/a	n/a	n/a
A1401A	DIO-II to DIO Converter for Model 400s (max. of two per SPU)	400	-0-	-0-	-0-	-0-
A1450A	IEEE-488 Standard Speed HP-IB Upgrade Kit for Model 400t	400	-0-	-0-	-0-	-0-
A1451A	IEEE-488 Standard Speed HP-IB Upgrade Kit for Model 400s	400	-0-	-0-	-0-	-0-
92222A	.5m SCSI Cable – two low density bail connectors	49	n/a	n/a	n/a	n/a
92222B	1m SCSI Cable – two low density bail connectors	55	n/a	n/a	n/a	n/a
K2284	3' SCSI Cable – low density connectors: one screw, one bail	40	n/a	n/a	n/a	n/a
K2283	5' SCSI Cable – low density connectors: one screw, one bail	45	n/a	n/a	n/a	n/a
K2286	3' SCSI Cable – high density connector to low density bail connector	79	n/a	n/a	n/a	n/a
K2285	5' SCSI Cable – high density connector to low density bail connector	82	n/a	n/a	n/a	n/a
K2288	3' SCSI Cable – high density connector to low density screw connector	85	n/a	n/a	n/a	n/a
K2287	5' SCSI Cable – high density connector to low density screw connector	89	n/a	n/a	n/a	n/a
K2291	SCSI low density bail terminator	40	n/a	n/a	n/a	n/a
K2290	SCSI low density screw terminator	42	n/a	n/a	n/a	n/a
K2289	SCSI high density terminator	99	n/a	n/a	n/a	n/a

HP-UX 7.03

Operating System and Graphics Media and Documentation for HP-UX Series 400

Product/ Opt. No.	Description	List Price	HP SuccessLine Service/Mo.			
			Sched	Next Day	Priority	Priority Plus
98594B Opt. 022	**HP-UX Release 7.03 Software Bundle**, 2-user, English Media and Documentation for HP-UX 7.03. Requires Opt. 022. Software on 1/4-inch Cartridge Tape	$900	n/a	n/a	n/a	n/a
98515C Opt. 022	**HP-UX Release 7.03 Application Execution Environment**, 2-user, English Media and Documentation for HP-UX 7.03. Requires Opt. 022. Software on 1/4-inch Cartridge Tape	315	n/a	n/a	n/a	n/a
98595C Opt. 022	**HP-UX Release 7.03 Application Execution Environment**, 16-user, English Media and Documentation for HP-UX 7.03. Requires Opt. 022. Software on 1/4-inch Cartridge Tape	315	n/a	n/a	n/a	n/a
98594- 64100	**HP-UX 7.03 Update Kit.** Contains HP-UX 7.03 software bundle, media on 1/4" tape cartridge and the 5 changed manuals for 7.03	495	n/a	n/a	n/a	n/a
98896- 87911	**7.03 System Administration Documentation Set**	475	n/a	n/a	n/a	n/a
98896- 98712	**7.03 Programming Documentation Set.** All other documentation sets for 7.0 are appropriate for 7.03.	600	n/a	n/a	n/a	n/a
98674C Opt. 022	**7.03 Starbase Display List** Software on 1/4-inch cartridge tape	215	n/a	n/a	n/a	n/a
98672C Opt. 022	**7.03 GKS Device Driver Library** Software on 1/4-inch cartridge tape	215	n/a	n/a	n/a	n/a
98594- 19080	**Patch for DDX Driver for X11 Server**	150	n/a	n/a	n/a	n/a

Publication	Part No.	Status
Beginner's Guide to HP-UX	98594-90006	A B
Beginner's Guide to Text Editing	98594-90010	A B
Beginner's Guide to Shells	98594-90008	A B
Beginner's Guide to X	98594-90002	A B H
vi Quick Reference	98597-90000	A B H
Finding HP-UX Information	98594-90081	A B H
Series 300 Master Index	98594-90090	C D
Installing Peripherals/300	97005-90002	C D H
Installing HP-UX/300	98594-90013	C D H
Troubleshooting HP-UX	92453-90026	C D
System Security	92453-90029	C D
Networking Overview	B1012-90003	C D
Installation/Administration NS	B1012-90001	C D
Installation/Administration ARPA	B1014-90001	C D
Installation/Administration NFS	B1013-90001	C D
Using Network Services	B1012-90000	C D
Using ARPA Services	B1014-90000	C D
Using NFS Services	B1013-90000	C D
Using X Window System	98794-90001 -90020**	C D F J
System Administration Tasks/300	98594-90061	C D F
System Administration Concepts	98594-90062	C D F
Installation/Configuring X Windows	98794-90004 -90021**	C D E F J
HP-UX Reference (3 Volumes)	09000-90013	C D E F
C&T UUCP	97089-90053	C D E F
C&T Programming Environment	97089-90042	E F
Portability Guide	98794-90047	E F
Native Language Support	97089-90058	E F
C&T Facilities Series 200, 500, 300	97089-90081	E F
C&T Developing I/O & User Interfaces	97089-90057	E F
C Programming Guide	98794-90031	E F
A Book on C	98597-90610	E F
Term 0 Reference	82865-90002	E F
HP-UX Assembler Reference	98597-90020	E F
Posix Conformance	98794-90009	E F
X Window C Quick Reference	98794-90003	E F
Programming with Xt Intrinsics	98794-90008	E F
Programming with Xlib	98794-90002	E F
Window/9000 to X Conversion	98794-90075	E F
OSF/Motif Programming Guide	98794-90005	E F
OSF/Motif Programming Reference	98794-90006	E F
OSF/Motif Style Guide	98794-90007	E F
HP Windows/9000 Documentation	97069-90003	E F
HP Windows/9000 Reference	97069-90023	E F
Starbase Beginner's Guide	98592-90046	E F
Starbase Device Driver Library	98592-90018 -90019**	E F K
Starbase Reference	98592-90065 -90066**	E F K
Starbase C Pocket Reference	98592-90031	E F
Starbase Graphics Techniques	98592-90078 -90079**	E F K
Fast Alpha/Font Manager	98592-90092	E F
Introducing the UNIX SystemV	98597-90620	E
Programming/Protocols-NFS	B1013-90002	E
Network Servers (NS) Reference (pgs)	B1012-90002	E
ARPA Reference (pgs)	B1014-90002	E
NFS Reference (pgs)	B1013-90003	E
C&T Text Editing & Processes	97089-90022	G
C&T Text Formatters	97089-90032	G
C&T Shells & Misc.	97089-90062	G
AXE Users Guide	98515-90004	H
Complete Series 300 HP-UX Manual Set	98896-87905	I

Status Legend	Price
A = General Usage Documentation (98896-87901)	$55.*
B = Manuals shipped with 98594L	
C = System Administration Documentation Set (98896-87903)	$475.*
D = Manuals shipped with 98594A	N/A
E = Programming Documentation Set (98896-87904)	$600.*
F = Manuals shipped with 98597C	N/A
G = Advanced Usage Set (98896-87902)	$90.*
H = Manuals shipped with AXE: 98515B, 98595B, 98596B	N/A
I = 98896-87905 A+C+E+G = Complete Set for 7.0	$975.*
J = 7.03 Manuals In System Administration Documentation Set for 7.03 (98896-87911)	$475.
K = 7.03 Manuals in Programming Documentation Set for 7.03 (98896-87912)	$600.

*U.S. List Price. Order from DMK.
**Documentation for HP-UX 7.03.

HP SuccessLine Service

On-Site Computer Hardware Support Service

HP SuccessLine service provides you with high-quality support that enables you to maximize computer system uptime and productivity. It gives you the flexibility to choose response times and coverage periods that meet your service needs, while providing superior value for your money.

Hewlett-Packard's professionalism and commitment to quality ensure that you receive maximum availability from your HP computer products. If a hardware problem arises, you will receive assistance from local HP engineers, backed by our local and worldwide resources. HP's engineers are professionals trained on the latest support technology who can implement a support plan for a single site or a worldwide network.

With HP SuccessLine service, you have the flexibility to choose the service level that meets your needs. The right choice for you depends upon the critical nature of your applications and the availability of alternate computing resources. While these service levels meet the needs of most customers, HP also has the flexibility to individualize service for you. Your HP support representative can discuss thes alternatives with you.

Support Selection Guide for HP SuccessLine Service

	Priority Plus	Priority	Next Day	Scheduled
Coverage Hours	24 hours 7 days	8 am—9 pm* Mon—Fri	8 am—5 pm Mon—Fri	8 am—5 pm Mon—Fri
Response Time	Best response; not to exceed 4 hours	Best response; not to exceed 4 hours	Next working day	Scheduled weekly visits
Usage Environment	Highly critical	Urgent	Less critical	Multiple units; spare equipment

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

You may choose from four standard service levels:

Priority Plus Support.
If your applications are extremely critical and call for maximum availability, this service level will provide you with maximum coverage hours and days and HP's best possible response.[1] This coverage is ideal if you have crucial applications or multiple-shift operations.

Priority Support.
If you require maximum availability during standard business hours and evenings and a very rapid response from HP, then this service level will meet your needs. On-site service is available for several hours beyond the standard business day, and HP will respond to your service request as quickly as possible.[1] This coverage is provided during the normal workweek.

Next Day Support.
If your application allows for service delivery on the following business day, then this service level will be your most cost-effective solution for support. This solution is ideal if you have spare or substitute equipment.

Scheduled Support.
This service level offers the lowest cost support for your HP computer products. It is an economical support solution if you have alternate PCs or workstations and your users are running less-critical applications. An HP engineer makes scheduled weekly visits to a central site at your location.

[1]Response time of 4 hours, but typical response times are shorter.

Product Number Index

HEWLETT PACKARD