HEWLETT PACKARD

HP 9000 Series 700
Price and Configuration Guide
U.S. Version
Volume 2

Effective: May 1994

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HEWLETT® PACKARD

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Price and Configuration Guide
U.S. Version
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Software

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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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General Software Ordering Instructions

How HP software is structured

All HP software is a combination of three components:

- the license to use the software
- the media the software is delivered on
- the documentation on how to effectively use the software

License
The license-to-use the software grants the purchaser the privilege of running the software on a Series 700 workstation.

Media
The software can be delivered to the customer either pre-loaded (instant ignition) on the workstation or on separately loadable media.

CD-ROM disks
The CD-ROM media offers the advantage of delivering all of the HP software for Series 700 workstations on a set of disks that can be "unlocked" with a codeword that is delivered with the license for the product.

DAT (4mm DDS) tapes
DAT is used by customers who need to use a single device to install software and perform backups, but it is usually a more expensive way to receive software than CD-ROM.

At least one copy of the separately loadable media should be purchased for every group of workstations.

Documentation
The documentation for each software package is always available in paper form, and is usually available on CD-ROM disks. The CD-ROM documentation product includes all of the manuals (both software and hardware) for Series 700 workstations, on a single CD-ROM disk. Documentation must usually be ordered separately from the other components of the software.

How to order the HP-UX operating system

All Series 700 workstations include a 2-user license to run the latest version of the HP-UX operating system. When a customer chooses to install a previous release of HP-UX, the right to run the latest release (at the time of the workstation purchase) is retained. Multi-user versions (8-user and 32-user) are required for customers with multiple users or customers upgrading to a later release.

HP-UX software may be purchased pre-loaded on the workstation, or as separately purchased media that the customer must install. Ordering instructions for pre-loaded HP-UX are contained in the "Instant Ignition" section of this guide.

To order HP-UX on separate media, you must order the following:

Required: Specify HP-UX Release
Choose which version of the HP-UX operating system is needed and specify the option.
The choices are: option #APH for the latest release of HP-UX 9.0
option #APF for the latest release of HP-UX 8.0

Required: Select Media Type
Choose which type of media HP-UX software should be delivered on. The choices are #AAH for DAT (4mm DDS) tape, or #AAU for CD-ROM disks. If ordering the software on CD-ROM, option #AAU will provide a codeword certificate that will unlock the software from the separately ordered CD-ROM media..

Optional: Select Documentation
Basic "getting started" documentation for HP-UX is included with every workstation. For advanced user configurations, system administration, and programming, additional documentation is highly recommended. Documentation comes on both CD-ROM and paper and may be ordered separately from the HP-UX software. The documentation on CD-ROM includes all of the manuals (both software and hardware) for Series 700 workstations, on a single CD-ROM disk. The paper documentation must be ordered for each area of interest.

Note: HP-RT products are available only on paper and must be ordered with the media for those products. Please see the HP-RT section in this guide.

How to order other HP software products

The licenses to use HP software, other than HP-UX, are not included with the Series 700 workstation and must be ordered separately.

Most HP software may be purchased pre-loaded on the workstation, or as separately purchased media that the customer must install. Ordering instructions for pre-loaded HP software are given in the "Instant Ignition" section of this guide. To order HP software on separate media, you must order the following:

Required: Select User License (required for products that do not include license in product number)
Many products include the license-to-use in the product number so that nothing additional needs to be ordered. Other products offer multiple levels of user licensing, so that an option for one of these levels must be ordered.

Required: Select Media Type
Choose which media to receive the HP software on. The choices are #AAH for DAT (4mm DDS) tape, or #AAU for CD-ROM disks. If ordering the software on CD-ROM, this option will get you a codeword certificate that will unlock the software from the CD-ROM media that must be ordered separately.

Required: Specify HP-UX Release (if offered)
If a version option is offered, choose which version of the HP-UX operating system the software will run on and specify it. The choices are usually option #APH for the latest release of HP-UX 9.0, or option #APF for the latest release of HP-UX 8.0.

Optional: Select Documentation
Documentation comes on both CD-ROM and on paper. The documentation on CD-ROM includes all of the manuals (both software and hardware) for Series 700 workstations, on a single CD-ROM disk. The paper documentation must be ordered for each software product as a "zero-B" option (i.e. #0B1, #0BE, #OBJ).

Optional: Credits
Some products offer credits for upgrades from previous versions or for products that may have been purchased previously.

How to get updates to later versions of the software

The quickest and easiest way to get updates for software is to have a software update service contract for the software product. The update contract provides the customer with new versions of the software whenever a major update is released. If the contract requests that software be distributed on DAT tape, then the updated version of the single products will be sent to the customer. If the contract requests that the software be distributed on CD-ROM, the latest version of the CD-ROM disks will be sent to the customer, including the latest version of all of the software for Series 700 workstations. All that is needed is a codeword for each piece of software the customer wishes to install.

For the HP-UX software, there is an upgrade option (#0CC) for customers who wish to purchase the most recent version of HP-UX, and who do not have an update contract. For most other software products it is necessary to purchase an entirely new version of the software to get an update without an update contract. It is a requirement to purchase a license as well as media when updating from one version of software to a later version.

Desktop HP-UX Instant Ignition Products

Desktop HP-UX instant Ignition is recommended for commercial desktop client workstations that run, but not develop, applications on X-Window systems. Desktop HP-UX is the only Instant Ignition that may be ordered with a Model 712 with a 260MB disk.

Purchase of Desktop Instant Ignition includes the right to use HP-UX Run-Time if sufficient disk space is available.

		Product #	U.S. List Price
[ ]	**English Desktop HP-UX Instant Ignition**	**B3530AA**	
[ ]	**German Desktop HP-UX Instant Ignition**	**B3530AD**	
[ ]	**Spanish Desktop HP-UX Instant Ignition**	**B3530AE**	
[ ]	**French Desktop HP-UX Instant Ignition**	**B3530AF**	
[ ]	**Japanese Desktop HP-UX Instant Ignition**	**B3530AJ**	
[ ]	**Korean Desktop HP-UX Instant Ignition**	**B3530AV**	
[ ]	**Italian Desktop HP-UX Instant Ignition**	**B3530AZ**	
	Note: all HP-UX Desktop Instant Ignition products feature the option structure listed below.		
	Please refer to this structure when ordering any localized Instant Ignition Product.		
	Required: specify HP-UX Release		
[ ]	HP-UX 9.0 Version	APH	$125
[ ]	Recovery media on CD-ROM. Includes HP-HIL ID module and codeword based on module	AAB	$520
[ ]	Recovery media on CD-ROM. Includes codeword based on workstation hardware ID (for Model 712)	AJA	$520
	Optional: Select ONE only		
[ ]	100 MB swap space on first disk drive	ATB	N/C
[ ]	200 MB swap space on first disk drive	ATC	N/C
[ ]	500 MB swap space on first disk drive	ATD	N/C
	Optional: Select ONE only		
[ ]	100 MB swap space on second disk drive	ATE	N/C
[ ]	200 MB swap space on second disk drive	ATF	N/C
[ ]	500 MB swap space on second disk drive	ATG	N/C

Run-Time HP-UX Instant Ignition Products

Run-Time HP-UX Instant Ignition is required for any Series 700 that runs software development applications, 3D-based graphical applications, is used in a multi-user configuration, or that performs serial (UUCP) communications. It is recommended for any Series 700 to be used as a compute or network server that runs a technical application.

[ ]	**English Run-Time HP-UX Instant Ignition**	**B2910A**	
[ ]	**German Run-Time HP-UX Instant Ignition**	**B2912A**	
[ ]	**Spanish Run-Time HP-UX Instant Ignition**	**B3531AE**	
[ ]	**French Run-Time HP-UX Instant Ignition**	**B3485A**	
[ ]	**Japanese Run-Time HP-UX Instant Ignition**	**B2911A**	
[ ]	**Korean Run-Time HP-UX Instant Ignition**	**B3531AV**	
[ ]	**Italian Run-Time HP-UX Instant Ignition**	**B3531AZ**	
	Note: all HP-UX Run-Time Instant Ignition products feature the option structure listed below.		
	Please refer to this structure when ordering any localized Instant Ignition Product.		
	Required: specify HP-UX Release		
[ ]	HP-UX 9.0 Version	APH	$125
[ ]	Recovery media on CD-ROM. Includes HP-HIL ID module and codeword based on module	AAB	$520
[ ]	Recovery media on CD-ROM. Includes codeword based on workstation hardware ID (for Model 712)	AJA	$520
	Optional: Select ONE only		
[ ]	100 MB swap space on first disk drive	ATB	N/C
[ ]	200 MB swap space on first disk drive	ATC	N/C
[ ]	500 MB swap space on first disk drive	ATD	N/C
	Optional: Select ONE only		
[ ]	100 MB swap space on second disk drive	ATE	N/C
[ ]	200 MB swap space on second disk drive	ATF	N/C
[ ]	500 MB swap space on second disk drive	ATG	N/C

HP-UX MEDIA

	Product #	U.S. List Price
[ ] **HP-UX 9.0 software on CD-ROM Media** Includes HP-UX operating system and all HP workstation application software.	**B2826B**	
[ ] CD Media Set. Includes ID module and precomputed code word.	AAB	$625
[ ] CD Disc Set (CD-ROM Discs only).	AAF	$520
[ ] **HP-UX 8.07 software on CD-ROM Media** Includes HP-UX operating system and all HP workstation application software.	**B2826A**	
[ ] CD Media Set. Includes ID module and precomputed code word.	AAB	$625
[ ] CD Disc Set (CD-ROM Discs only).	AAF	$520
[ ] **HP-UX software on DDS Media**	**B2352A**	
Note: must specify one media and one version option.		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$415
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C

HP-UX RUN-TIME ENVIRONMENT

A License-To-Use for a 2-user HP-UX Run-Time Environment is included with every HP-UX workstation. This license includes run-time use of the HP-UX operating system, HP VUE, NFS, ARPA, Diskless, SAM, X11, OSF/Motif, Starbase Display List, NCS, PEX graphics and NetLS.

Customers ordering HP-UX 9.0 will receive the latest revision of the HP-UX operating system.

Documentation must be ordered separately.

[ ] **HP-UX Run-Time Environment, 8 user** Includes trade-up credit for a 2-user HP-UX license.	**B2353A**	**$1,250**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$415
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] Preload and preconfigure software product with Instant Ignition *Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.* *This product must appear in the same section of the order as HP-UX Instant Ignition.*	0D1	N/C
[ ] **HP-UX Run-Time Environment, 32 user** Includes trade-up credit for a 2-user HP-UX license.	**B3150A**	**$5,300**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$415
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] Preload and preconfigure software product with Instant Ignition. *Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.* *This product must appear in the same section of the order as HP-UX Instant Ignition.*	0D1	N/C
[ ] Trade-up credit for previously purchased 8-user license.	UB3	($1,250)

HP-UX Localized Run-Time Environment

	Product #	U.S. List Price
[ ] Japanese HP-UX Run-Time Environment, 2 user	**B2387A**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$415
[ ] CD-ROM Certificate only.	AAU	$100
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] Update to latest Japanese environment.	0HG	$600
[ ] Japanese HP-UX Run-Time Environment, 8 user	**B2487A**	**$1,295**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$415
[ ] CD-ROM Certificate only.	AAU	$100
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] Korean HP-UX Run-Time Environment, 2 user	**B2395A**	**$635**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$415
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.05 version.	APE	N/C
[ ] German HP-UX Run-Time Environment, 2 user	**B2396A**	
Includes localized general usage documentation.		
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$415
[ ] CD-ROM Certificate only.	AAU	$105
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.05 version.	APE	N/C
[ ] French HP-UX Run-Time Environment, 2 user	**B2397A**	
Includes localized general usage documentation.		
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$415
[ ] CD-ROM Certificate only.	AAU	$105
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.05 version.	APE	N/C

	Product #	U.S. List Price
[ ] Traditional Chinese HP-UX Run-Time Environment, 2 user	**B2816A**	**$635**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$415
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.05 version.	APE	N/C
[ ] NLIO Simplified Chinese	**B2213A**	**$635**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Hardcopy manuals.	0BJ	$110

HP-UX License Upgrades from Previous Releases.

These products are for customers who do not have Software Support Update contracts and who wish to upgrade their HP-UX licenses to Version 9.0x. Note: media and documentation must be purchased separately.

[ ] HP-UX Run-Time Environment, 2 user	**B3814AA**	**$995**
[ ] Credit for HP-UX 9.0 upgrade from earlier versions.	0CC	($265)
[ ] Japanese HP-UX Run-Time Environment, 2 user	**B2387A**	
[ ] HP-UX 9.0 Revision upgrade.	0CC	$1,200
[ ] Japanese HP-UX Run-Time Environment, 8 user	**B2487A**	**$1,295**
[ ] HP-UX 9.0 Revision upgrade.	0CC	$600
[ ] Korean HP-UX Run-Time Environment, 2 user	**B2395A**	**$635**
[ ] HP-UX 9.0 Revision upgrade.	0CC	$730
[ ] German HP-UX Run-Time Environment, 2 user	**B2396A**	
[ ] HP-UX 9.0 Revision upgrade.	0CC	$730
[ ] French HP-UX Run-Time Environment, 2 user	**B2397A**	
[ ] HP-UX 9.0 Revision upgrade.	0CC	$730
[ ] Traditional Chinese HP-UX Run-Time Environment, 2 user	**B2816A**	**$635**
[ ] HP-UX 9.0 Revision upgrade.	0CC	$730

HP-UX Documentation

Documentation is available in both CD-ROM online and hardcopy forms. Documentation on CD-ROM provides online access to all HP manuals, except those that are available only in hardcopy form. Hardcopy documentation must be ordered on a per manual set basis.

	Product #	U.S. List Price
[ ] HP-UX 9.0 Documentation	**B2355B**	
[ ] Documentation on CD-ROM - includes 1-user LaserROM license.	0BC	$835
[ ] Hardcopy manuals (not provided on CD-ROM).	0BJ	$158
[ ] 4-user add-on LaserROM license for CD-ROM Documentation.	UA2	$415
[ ] General Usage- user's guide for HP-UX, HP VUE, and X Windows.	0BD	$137
[ ] HP-UX System Administration and Installation.	0BE	$685
[ ] General Programming - reference guides for assembler, device I/O, native language support, and programming techniques.	0BF	$340
[ ] HP-UX User's Guides - user's guides for UUCP, mail, text formatting/ processing, shells, and editors.	0BG	$184
[ ] User Environment - programming manuals for X Toolkit, Intrinsics, Xlib, HP VUE, and OSF/Motif	0BL	$730
[ ] Starbase - programming manuals for Starbase, Starbase Display List, Radiosity, and Raytracing	0BM	$1,025
[ ] C/ANSI C - programming manuals for C/ANSI C and symbolic debugger.	0BT	$205
[ ] HP-UX 8.07 Documentation	**B2355A**	
[ ] Documentation on CD-ROM - includes 1-user LaserROM license.	0BC	$835
[ ] Hardcopy manuals (not provided on CD-ROM).	0BJ	$158
[ ] 4-user add-on LaserROM license for CD-ROM Documentation.	UA2	$415
[ ] General Usage- user's guide for HP-UX, HP VUE, and X Windows.	0BD	$137
[ ] HP-UX System Administration and Installation.	0BE	$685
[ ] General Programming - reference guides for assembler, device I/O, native language support, and programming techniques.	0BF	$340
[ ] HP-UX User's Guides - user's guides for UUCP, mail, text formatting/ processing, shells, and editors.	0BG	$184
[ ] User Environment - programming manuals for X Toolkit, Intrinsics, Xlib, HP VUE, and OSF/Motif.	0BL	$730
[ ] Starbase - programming manuals for Starbase, Starbase Display List, Radiosity, and Raytracing.	0BM	$1,025
[ ] C/ANSI C - programming manuals for C/ANSI C and symbolic debugger.	0BT	$205
[ ] Japanese HP-UX 9.0 Documentation	**B2815B**	
[ ] Hardcopy General Usage Documentation.	0BD	$168
[ ] Hardcopy System Administration Documentation.	0BE	$820
[ ] CD-ROM Documentation.	0BC	$825
[ ] 4 User add-on license	UA2	$410
[ ] Japanese HP-UX 8.0x Documentation	**B2815A**	
[ ] Hardcopy System Administration Documentation.	0BE	$820

HP MPower 2.0, Collaborative Multimedia

MPower provides collaborative multimedia technologies that can be used every day. Information, be it in text images, audio, or video, can be shared via print, fax, e-mail or in real time. MPower brings together the strengths of the UNIX operating system, networking, and the X Window System with multimedia to enable people to communicate quickly and accurately.

HP Digital Video, delivered with HP MPower 2.0, provides playback of MPEG compressed digital video clips. HP Digital Video is an ideal solution for low-cost digital video playback because no add-on hardware card is required to assist decompression of MPEG video clips. HP Digital Video decompresses both video and audio.

	Product #	U.S. List Price
[ ] **HP MPower Client 2.0 License-To-Use**	**B3387BB**	**$195**
[ ] **HP MPower Client 2.0 Media and Documentation** *Note: requires previous or concurrent purchase of MPower Client 2.0 License-To-Use, B3387BB*	**B1194BA**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] Preload and pre configure software product with Instant Ignition. *Note: requires concurrent purchase of Desktop or Run-Time HP-UX Instant Ignition.* *This product must appear in the same section of the order as HP-UX Instant Ignition.*	0D1	N/C
[ ] HP MPower Client 2.0 Documentation	0BL	$50
[ ] **HP MPower Server 2.0 License-To-Use**	**B3388BB**	**$1,295**
[ ] **HP MPower Server 2.0 Media and Documentation** *Note: requires previous or concurrent purchase of MPower Server 2.0 License-To-Use, B3388BB*	**B1195BA**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] Preload and pre configure software product with Instant Ignition. *Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.* *This product must appear in the same section of the order as HP-UX Instant Ignition.*	0D1	N/C
[ ] HP MPower Server 2.0 Documentation	0BL	$200
[ ] **Incremental Modem Line License-To-Use** License to use an additional FAX modem line with HP MPower server. *Note: HP Mpower 2.0 Server License-To-Use includes the right to use one FAX modem line.*	**B3389BB**	**$310**
[ ] **HP MPower Image Developer's Kit**	**B2157A**	**$1,045**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C

Additional Multimedia Products

	Product #	U.S. List Price
[ ] **HP SharedPrint/UX 1.4 License-To-Use**	**B3240AA**	
[ ] **HP SharedPrint/UX 1.4 Media**	**B3241AA**	
Note: this product is also available at no cost on HP-UX CD-ROM media kits.		
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] **HP SharedPrint/UX Administrator's Manual**	**B3242AA**	**$25**
[ ] **HP SharedPrint/UX 1.4 License-To-Use w/PostScript**	**B3243AA**	**$525**
[ ] **HP SharedPrint/UX 1.4 w/PostScript Media**	**B3244AA**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] **HP MPower ScanJet IIcx**	**C1788BA**	**$1,650**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] **HP MPower ScanJet IIcx Interface Kit**	**A2229BA**	**$400**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C

Computer Museum

Telecommunications Tools

HP TeleShare is a 3-in-1 telecommunication tool incorporating telephone, fax service, and data modem into the HP Model 712 workstation. The product contains two dual-line phone ports for analog phone line (POTS) access. The Motif-based TeleShare software provides an easy-to-use, point-and-click graphical interface to all telecommunications needs. HP TeleShare can be ordered either factory-installed or for field installation.

[ ] **HP TeleShare U.S. Version**	**A4012AA**	**$795**
Note: This product is for use in the United States and Canada only.		
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX Revision 9.0	APH	N/C
[ ] Preload and pre configure software product with Instant Ignition. *Note: requires concurrent purchase of Desktop or Run-Time HP-UX Instant Ignition. This product must appear in the same section of the order as HP-UX Instant Ignition.*	0D1	N/C

PC Emulation

HP Wabi 1.1

HP Wabi enables users to run the most popular shrink-wrapped MS-Windows/Intel applications unaltered on their HP-UX 9.0 based series 700 workstations. HP Wabi can also be used with XTerminals. Users may wish to have convenient access to a floppy disk drive to make most efficient use of HP Wabi.

	Product #	U.S. List Price
[ ] **HP Wabi 1.1 License-To-Use**	**B3249AB**	**$395**
[ ] **HP Wabi 1.1 Series 700 Media** *Note: requires previous or concurrent purchase of HP Wabi 1.1 License-To-Use, B3249AB*	**B3248AA**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX Revision 9.0	APH	N/C
[ ] **HP Wabi 1.1 Series 700 Documentation**	**B3250AA**	**$30**

Insignia SoftWindows

Sold and supported by Insignia Solutions, Inc., SoftWindows is a second-generation PC emulation product similar to HP Wabi. SoftWindows runs all MS-Windows and MS-DOS applications unaltered on HP-UX based Series 700/800 systems. SoftWindows also provides powerful networking capabilities not found in HP Wabi 1.1, including Novell Client, LAN Manager Client, and TCP/IP.

In the United States, call (508) 682-7600
Outside the United States, call +44 494 459426

PC Interoperability

[ ] **NetWare for the HP9000** NetWare for the HP9000 provides IPX/SPX NetWare protocol stacks, NVT terminal connectivity, and file and print sharing capability on top of HP-UX. *Note: All NetWare products require that HP STREAMS/UX, product J2232A, be installed on each Series 700 workstation running NetWare. Order information for HP STREAMS/UX may be found in the Networking and Communications section of this guide.*	**J2239A**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Delete Manual set.	0B0	($200)
[ ] Netware v 3.11 16-user 'Try and Buy' License	001	$200
Required: Select ONE		
[ ] 4 Clients supported.	UA2	$2,725
[ ] 8 Clients supported.	UA3	$4,750
[ ] 16 Clients supported.	UA5	$6,725
[ ] 32 Clients supported.	UA7	$8,950
[ ] 64 Clients supported.	UA9	$11,400
Optional: Select ONE *Note: use following options when upgrading number of users within Version 3.11. Requires previous purchase of smaller client support license.*		
[ ] Credit 4 User license.	UB2	($2,725)
[ ] Credit 8 User license.	UB3	($4,750)
[ ] Credit 16 User license.	UB5	($6,725)
[ ] Credit 32 User license.	UB7	($8,950)

	Product #	U.S. List Price
[ ] HP LAN Manager for UNIX for HP 9000, Series 700/800, Version 2.2	**J2256A**	
LAN Manager for UNIX is a file and print sharing network service which uses HP-UX as the operating system. Version 2.2 provides enhanced system administration features including domain administration, improved security, file replication, and Windows-based administration capability. It provides the tools to manage growing networks, allow flexibility in system configuration, and provide user access control tailored to the needs of the customer. Incorporates most of the features from Microsoft's LAN Manger on OS/2, version 2.2.		
Note: All LanManager products require that HP STREAMS/UX, product J2232A, be installed on each Series 700 workstation running LanManager. Order information for HP STREAMS/UX may be found below in the Networking and Communications section of this guide.		
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$105
[ ] CD-ROM Certificate only.	AAU	N/C
Required: Select ONE		
[ ] 8 Clients supported.	UA3	$2,495
[ ] 16 Clients supported.	UA5	$3,760
[ ] 32 Clients supported.	UA7	$5,930
[ ] 64 Clients supported.	UA9	$9,650
[ ] 128 Clients supported.	UAB	$14,400
[ ] 256 Clients supported.	UAD	$20,000
[ ] 1024 Clients supported.	UCR	$22,900
Note: use following options when upgrading number of users within Version 2.2. Requires previous purchase of smaller client support license.		
[ ] Credit 8 User license.	UB3	($1,996)
[ ] Credit 16 User license.	UB5	($3,008)
[ ] Credit 32 User license.	UB7	($4,740)
[ ] Credit 64 User license.	UB9	($7,750)
[ ] Credit 128 User license.	UBA	($11,520)
[ ] Credit 256 User license.	UBV	($16,000)
Note: use following options when upgrading from an earlier version of LAN Manager.		
[ ] Credit for B1011X or B1003X, 8 client.	021	($1,500)
[ ] Credit for B1011X or B1003X, 16 client.	022	($2,256)
[ ] Credit for B1011X or B1003X, 32 client.	023	($3,558)
[ ] Credit for B1011X or B1003X, 64 client.	024	($5,790)
[ ] Credit for B1011X or B1003X, 128 client.	025	($8,640)
[ ] Credit for B1011X or B1003X, 256 client.	026	($12,000)
[ ] Credit for B1011X or B1003X, 512 client.	027	($13,740)
[ ] Credit for B1011X or B1003X, 1,024 client.	028	($14,200)

SOFTWARE DEVELOPMENT TOOLS

	Product #	U.S. List Price
[ ] HP-UX General Programming Tools Includes macro preprocessor, C libraries, prof, curses, termcap libraries, and source control tools. This product is also available at no cost on HP-UX CD-ROM media kits.	**B2357A**	
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] Preload and preconfigure software product with Instant Ignition. *Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.* *This product must appear in the same section of the order as HP-UX Instant Ignition.*	0D1	N/C
[ ] HP-UX Developer's Toolkit Includes General Programming Tools, X11R5 libraries, Motif libraries, Starbase programming libraries, and Starbase Display List libraries.	**B2356A**	**$415**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] Preload and preconfigure software product with Instant Ignition. *Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.* *This product must appear in the same section of the order as HP-UX Instant Ignition.*	0D1	N/C
[ ] HP-UX C/ANSI C Developer's Bundle Includes HP-UX Developer's Toolkit, C/ANSI C Compiler, with XDB debugger and General programming tools.	**B2354A**	**$1,395**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] Preload and preconfigure software product with Instant Ignition. *Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.* *This product must appear in the same section of the order as HP-UX Instant Ignition.*	0D1	N/C
[ ] C/ANSI C Compiler Includes C compiler and XDB debugger.	**B2413A**	**$1,195**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] Preload and preconfigure software product with Instant Ignition. *Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.* *This product must appear in the same section of the order as HP-UX Instant Ignition.*	0D1	N/C
[ ] Hardcopy manuals.	0BJ	$205

	Product #	U.S. List Price
[ ] **HP C++ 3.0**	**B2402A**	
Includes C++ compiler and XDB debugger.		
Required: Select ONE		
[ ] License-To-Use HP C ++ version 3.0 on one (1) seat.	0AN	$1,395
[ ] License-To-Use HP C ++ version 3.0 on ten (10) seats.	0A9	$11,600
[ ] License-To-Use HP C ++ version 3.0 on (25) seats.	0AG	$24,415
[ ] License-To-Use HP C ++ version 3.0 on fifty (50) seats.	0AA	$41,850
[ ] **HP C++ Media and Documentation**	**B2403A**	
Note: requires previous or concurrent purchase of C++ 3.0 License-To-Use, B2402A		
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] Preload and preconfigure software product with Instant Ignition	0D1	N/C
Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.		
This product must appear in the same section of the order as HP-UX Instant Ignition.		
[ ] Hardcopy manuals.	0BJ	$205
[ ] **Fortran/9000 License-To-Use for Series 700 workstation**	**B2408A**	**$1,890**
Includes Fortran compiler and XDB debugger.		
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] Preload and preconfigure software product with Instant Ignition.	0D1	N/C
Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.		
This product must appear in the same section of the order as HP-UX Instant Ignition.		
[ ] Hardcopy manuals.	0BJ	$205
[ ] **Pascal License-To-Use for Series 700 workstation**	**B2414A**	**$1,575**
Includes Pascal compiler and XDB debugger.		
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] Preload and preconfigure software product with Instant Ignition.	0D1	N/C
Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.		
This product must appear in the same section of the order as HP-UX Instant Ignition.		
[ ] Hardcopy manuals.	0BJ	$205

HP Programmer's Toolset

	Product #	U.S. List Price
[ ] **HP Programmer's Toolset License-To-Use** Includes DDE Debugger, HP/PAK performance analysis tool and BlinkLink linker for use with HP C, C++, Fortran, and PASCAL compiler products.	**B3478AB**	**$395**
[ ] **HP Programmer's Toolset Media** *Note: requires previous or concurrent purchase of License-To-Use, B3478AB*	**B3477AA**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] **HP Programmer's Toolset Instant Ignition** *Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.* *This product must appear in the same section of the order as HP-UX Instant Ignition.*	**B3550AA**	**N/C**
[ ] **HP Programmer's Toolset Manuals**	**B3479AA**	**145**
[ ] **HP Apollo Pascal License-To-Use** Includes Apollo Pascal compiler and DDE debugger.	**B3514AB**	**$1,100**
[ ] **HP Apollo Pascal Media and Manuals** *Note: requires previous or concurrent purchase of HP Apollo Pascal License-To-Use, B3514AB*	**B3513AA**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$195
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] Hardcopy manuals.	0BJ	$195
[ ] **COBOL/HP-UX (Micro Focus) Developer's Package** **Concurrent User License**	**B2430AB**	**$1,250**
[ ] **COBOL/HP-UX (Micro Focus) Developer's Package** **Media** *Note: requires previous or concurrent purchase of Micro Focus Developer's Package License-To-Use, B2430AB*	**B2430AA**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Hardcopy manuals.	0B1	$205
[ ] **COBOL/HP-UX (Micro Focus) Compiler** **Concurrent User License**	**B2431AB**	**$1,000**
COBOL/HP-UX (Micro Focus) Compiler Media *Note: requires previous or concurrent purchase of Micro Focus Compiler License-To-Use, B2431AB*	**B2431AA**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Hardcopy manuals.	0B1	$205

	Product #	U.S. List Price
[ ] **COBOL/HP-UX (Micro Focus) Run-Time System** **Concurrent User License**	**B2432AB**	**$150**
[ ] **COBOL/HP-UX (Micro Focus) Run-Time System** **Media** *Note: requires previous or concurrent purchase of Micro Focus Run-Time System License-To-Use, B2432AB* *Required: Select ONE*	**B2432AA**	
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] **HP Micro Focus Toolbox** **Concurrent User License**	**B3452AB**	**$625**
[ ] **HP Micro Focus Toolbox Media** *Note: requires previous or concurrent purchase of Micro Focus Toolbox License-To-Use, B3452AB* *Required: Select ONE*	**B3452AA**	
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Hardcopy manuals.	0B1	$205
[ ] **HP Micro Focus Dialog System Concurrent User License**	**B3454AB**	**$1250**
[ ] **HP Micro Focus Dialog System Media** *Note: requires previous or concurrent purchase of Micro Focus Dialog System License-To-Use, B3454AB* *Required: Select ONE*	**B3454AA**	
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Hardcopy manuals.	0B1	$205
[ ] **HP Nihongo COBOL Developers Package** *Required: Select ONE*	**B3152A**	**$5,200**
Provides software on DDS (4mm DAT) tape.	AAH	$205
CD-ROM Certificate only.	AAU	N/C
Hardcopy manuals.	0BJ	$205
[ ] **HP Nihongo COBOL Compiler** *Required: Select ONE*	**B3153A**	**$3,125**
Provides software on DDS (4mm DAT) tape.	AAH	$205
CD-ROM Certificate only.	AAU	N/C
Hardcopy manuals.	0BJ	$205
[ ] **HP Nihongo COBOL Run-Time System** *Required: Select ONE*	**B3154A**	**$735**
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C

SoftBench

C and C++ SoftBench include the C/ANSI C Developer's Bundle. In addition, C++ SoftBench includes C++ Language and C++ Developer.

	Product #	U.S. List Price
[ ] **C Softbench 3.3, License-To-Use** *Note: must order one end-user kit, B3562BA, for each License-To-Use*	**B3560BB**	**$3,695**
[ ] Credit for HP C/ANSI C Developer's Bundle	099	($1,395)
[ ] **C SoftBench 3.3 End-User Kit**	**B3562BA**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Add Manual Set	0B1	$370
[ ] **C ++Softbench 3.3, License-To-Use** *Note: must order one end-user kit, B2620B, for each License-To-Use*	**B2617B**	**$7,295**
[ ] Upgrade from SoftBench (B2600B or B3560BB)	097	($1,000)
[ ] Credit for HP C++ Language (B2400A,02,04)	098	($1,395)
[ ] Credit for HP C/ANSI C Developer's Bundle	099	($1,395)
[ ] **C ++ SoftBench 3.3 End-User Kit**	**B2620B**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Add Manual Set	0B1	$580
[ ] **SoftBench 3.2 BMS Framework License-To-Use** *Note: must order one end-user kit, B3283B, for each License-To-Use*	**B3280B**	**$495**
[ ] **SoftBench 3.2 BMS Framework End-User Kit**	**B3283B**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$370
[ ] CD-ROM Certificate only.	AAU	N/C

COBOL SoftBench Family

[ ] **COBOL SoftBench License-To-Use** *Note: must order one end-user kit, B4016BA, for each License-To-Use*	**B4015BB**	**$2,795**
[ ] **COBOL SoftBench End-User Kit**	**B4016BA**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Add Manual Set	0B1	$370
[ ] **COBOL SoftBench with Compiler License-To-Use** *Note: must order one end-user kit, B4019BA, for each License-To-Use*	**B4018BB**	**$3,995**
[ ] **COBOL SoftBench with Compiler End-User Kit**	**B4019BA**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Add Manual Set	0B1	$370

	Product #	U.S. List Price
[ ] **COBOL/C SoftBench License-To-Use**	**B4021BB**	**$3,195**
Note: must order one end-user kit, B4022BA, for each License-To-Use		
[ ] Upgrade from COBOL SoftBench or C SoftBench	097	($1,000)
[ ] **COBOL/C SoftBench End-User Kit**	**B4022BA**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Add Manual Set	0B1	$370
[ ] **COBOL/C SoftBench with Compiler License-To-Use**	**B4024BB**	**$5,595**
Note: must order one end-user kit, B4025BA, for each License-To-Use		
[ ] Upgrade from COBOL SoftBench or C SoftBench	097	($1,000)
[ ] **COBOL/C SoftBench with Compiler End-User Kit**	**B4025BA**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Add Manual Set	0B1	$680

Japanese Localization

Note: order the following End-User Kits as appropriate with the standard Licenses-To-Use described above to achieve Japanese localization.

[ ] **C SoftBench 3.3 Japanese End-User Kit**	**B3562BJ**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Add manual set	0B1	$370
[ ] **C ++ SoftBench 3.3 Japanese End-User Kit**	**B2620BJ**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Add manual set	0B1	$580
[ ] **Encapsulator 3.3 Japanese End-User Kit**	**B2616BJ**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Add manual set	0B1	$370
[ ] **UIM/X 2.5 Japanese End-User Kit**	**B1186BJ**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Add manual set	0B1	$200

Encapsulator

	Product #	U.S. List Price
[ ] Encapsulator 3.2 License-To-Use *Note: must order one end-user kit, B2616B, for each License-To-Use*	**B2606B**	**$5,250**
[ ] Encapsulator 3.2 End-User Kit	**B2616B**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Add Manual Set	0B1	$370

C ++ Developer

[ ] C ++ Developer License-To-Use	**B2406B**	**$2,625**
[ ] C ++ Developer Media and Documentation	**B2407B**	**$210**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C

SynerVision/ChangeVision

[ ] SynerVision/ChangeVision Bundle License-To-Use *Note: must order one end-user kit, B3265A, for each License-To-Use*	**B3260A**	**$5,950**
[ ] SynerVision/ChangeVision Bundle End-User Kit	**B3265A**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Add Manual Set	0B1	$315
[ ] SynerVision License-To-Use *Note: must order one end-user kit, B3269A, for each License-To-Use*	**B3261A**	**$3,950**
[ ] SynerVision End-User Kit	**B3269A**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Add Manual Set	0B1	$158
[ ] ChangeVision License-To-Use *Note: must order one end-user kit, B3273A, for each License-To-Use. Must purchase one SynerVision License-To-Use, B3261A, and one SynerVision End-User Kit, B3269A.*	**B3262A**	**$2,950**
[ ] ChangeVision End-User Kit	**B3273A**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Add Manual Set	0B1	$158

Transfer License Product

HP provides an opportunity for its customers to transfer SoftBench, Encapsulator, and C++ SoftBench Licenses-To-Use from one HP platform to another HP platform at greatly reduced prices. In order to purchase the Transfer License Product, customers must already have a valid License-To-Use for one of the listed products. Additionally, the customer must purchase one of the appropriate End-User Kits for the target product and platform for each Transfer License Product ordered.

	Product #	U.S. List Price
[ ] **Transfer License Administration Fee for SoftBench, Encapsulator, or C ++ SoftBench**	**B2633A**	**$53**

UIM/X 2.5

UIM/X replaces Interface Architect 2.0 for use with the Motif 1.2 GUI and HP-UX 9.0.

[ ] **UIM/X 2.5 License-To-Use** *Note: must order one end-user kit, B1186B, for each License-To-Use*	**B1183B**	**$4,995**
[ ] **UIM/X 2.5 End-User Kit**	**B1186B**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Add Manual Set	0B1	$200
[ ] **UIM/X 2.5 Library Source Code**	**B1189B**	**$2,415**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] CD-ROM Certificate only.	AAU	N/C

HP Branch Validator

HP Branch Validator measures the percentage of branches executed when used in conjunction with a native compiler.

[ ] **HP Branch Validator License-To-Use** *Note: must order one end-user kit, B3097A, for each License-To-Use*	**B3095A**	**$2,500**
[ ] **HP Branch Validator End-User Kit**	**B3097A**	
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$615

ClearCase 1.1

Note: ClearCase 1.1 is for use with HP-UX 9.X only.

[ ] **ClearCase 1.1 License-To-Use** *Note: must order one end-user kit, B3285A, for each License-To-Use*	**B3285A**	**$4,000**
[ ] **Credit for Domain DSEE and existing support contract** *Note: in order to qualify for this option, customers must have an existing DSEE maintenance contract and must put ClearCase 1.1 under maintenance contract.*	**095**	**($1,000)**
[ ] **ClearCase 1.1 End-User Kit**	**B3285A**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] CD-ROM Certificate only.	AAU	N/C

Distributed Smalltalk

Note: requires purchase of ParcPlace VisualWorks from ParcPlace.

	Product #	U.S. List Price
[ ] **Distributed Smalltalk Development Product License-To-Use** *Note: must order one end-user kit, B4048AB, for each License-To-Use*	**B4047AB**	**$5,000**
[ ] **Distributed Smalltalk Development Product End-User Kit**	**B4048AB**	
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210
[ ] **Distributed Smalltalk Run-Time License-To-Use**	**B4055AB**	**$300**
[ ] **HP Distributed Smalltalk VisualWorks/APOK Developer's Bundle License-To-Use**	**B4040AB**	**$10,490**
[ ] **HP Distributed Smalltalk VisualWorks/APOK End-user Kit**	**B4041AA**	
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$210

ALLBASE

ALLBASE is an industry-standard relational database for customers who require a functionally robust, low cost alternative to third party databases. Customers purchase ALLBASE/SQL for low price, single vendor sales and support, and product differentiators. Run-time includes ALLBASE Net for full read/write access to IMAGE/SQL databases, SQL, performance and DBA tools and ALLBASE PC/API (Gupta and Microsoft APIs) for using popular development and decision support tools, and end-user applications. The Development product is the same as the Run-Time, except it includes 3GL preprocessors for using embedded SQL in C, Pascal, and COBOL applications. User license is determined by number of user/clients who access the database. One set of manuals is included per license. The media option must be specified.

[ ] **HP ALLBASE/SQL Version G.0 Runtime for Series 700**	**B3146A**	
[ ] Provides software on DDS (4mm DAT) Tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Preload and preconfigure software product with Instant Ignition *Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.* *This product must appear in the same section of the order as HP-UX Instant Ignition.*	0D1	N/C
[ ] ALLBASE/SQL manuals - additional set.	OB1	$373
Required: Select ONE		
[ ] Single user license.	UA0	$2,295
[ ] 4-user license.	UA2	$3,170
[ ] 8-user license.	OAL	$4,040
[ ] 16-user license.	UA5	$5,000
[ ] 32-user license.	UA7	$9,175
Note: use following options when upgrading number of users. *Requires previous purchase of smaller client support license.*		
[ ] Credit for single user license when upgrading.	UB0	($2,060)
[ ] Credit for 4-user license when upgrading.	UB2	($2,850)
[ ] Credit for 8-user license when upgrading.	UB3	($3,650)
[ ] Credit for 16-user license when upgrading.	UB5	($4,500)
[ ] Credit for 32-user license when upgrading.	UB7	($8,250)

	Product #	U.S. List Price
[ ] HP ALLBASE/SQL Version G.0 Development for Series 700	**B3147A**	
[ ] Provides software on DDS (4mm DAT) Tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Preload and preconfigure software product with Instant Ignition *Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.* *This product must appear in the same section of the order as HP-UX Instant Ignition.*	0D1	N/C
[ ] ALLBASE/SQL manuals - additional set.	OB1	$373
Required: Select ONE		
[ ] Single user license.	UA0	$3,050
[ ] 4-user license.	UA2	$4,225
[ ] 8-user license.	OAL	$5,400
[ ] 16-user license.	UA5	$6,675
[ ] 32-user license.	UA7	$12,225
Note: use following options when upgrading number of users. *Requires previous purchase of smaller client support license.*		
[ ] Credit for single user license when upgrading.	UB0	($2,745)
[ ] Credit for 4-user license when upgrading.	UB2	($3,800)
[ ] Credit for 8-user license when upgrading.	UB3	($4,850)
[ ] Credit for 16-user license when upgrading.	UB5	($6,000)
[ ] Credit for 32-user license when upgrading.	UB7	($11,000)
[ ] HP ALLBASE/SQL Version G.0 Runtime for Series 700 (Japanese)	**B3197A**	
[ ] Provides software on DDS (4mm DAT) Tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Preload and preconfigure software product with Instant Ignition *Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.* *This product must appear in the same section of the order as HP-UX Instant Ignition.*	0D1	N/C
[ ] ALLBASE/SQL manuals - additional set.	OB1	$373
Required: Select ONE		
[ ] Single user license.	UA0	$2,295
[ ] 4-user license.	UA2	$3,170
[ ] 8-user license.	OAL	$4,040
[ ] 16-user license.	UA5	$5,000
[ ] 32-user license.	UA7	$9,175
Note: use following options when upgrading number of users. *Requires previous purchase of smaller client support license.*		
[ ] Credit for single user license when upgrading.	UB0	($2,060)
[ ] Credit for 4-user license when upgrading.	UB2	($2,850)
[ ] Credit for 8-user license when upgrading.	UB3	($3,650)
[ ] Credit for 16-user license when upgrading.	UB5	($4,500)
[ ] Credit for 32-user license when upgrading.	UB7	($8,250)

	Product #	U.S. List Price
[ ] HP ALLBASE/SQL Version G.0 Development for Series 700 (Japanese)	**B3198B**	
[ ] Provides software on DDS (4mm DAT) Tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Preload and preconfigure software product with Instant Ignition *Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.* *This product must appear in the same section of the order as HP-UX Instant Ignition.*	0D1	N/C
[ ] ALLBASE/SQL manuals - additional set.	OB1	$373
Required: Select ONE		
[ ] Single user license.	UA0	$3,050
[ ] 4-user license.	UA2	$4,225
[ ] 8-user license.	OAL	$5,400
[ ] 16-user license.	UA5	$6,675
[ ] 32-user license.	UA7	$12,225
Note: use following options when upgrading number of users. *Requires previous purchase of smaller client support license.*		
[ ] Credit for single user license when upgrading.	UB0	($2,745)
[ ] Credit for 4-user license when upgrading.	UB2	($3,800)
[ ] Credit for 8-user license when upgrading.	UB3	($4,850)
[ ] Credit for 16-user license when upgrading.	UB5	($6,000)
[ ] Credit for 32-user license when upgrading.	UB7	($11,000)
[ ] ALLBASE/Replicate Version G.0 for Series 700 Software that allows an ALLBASE/SQL database on one system to be shadowed or replicated to one or more locations, either on the same system or on other HP systems on the network. This product ensures 24-hour availability and high performance access of data on the network. Must specify media and release option.	**B3480B**	
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Single User license.	UA0	$6,800
[ ] Credit for Single User License when upgrading to Series 800.	UB0	($6,120)

DISTRIBUTED COMPUTING TOOLS

Task Broker

	Product #	U.S. List Price
[ ] **Media & Documentation for Task Broker software**	**B1732B**	**$315**
Required: Select ONE		
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] **Task Broker License-To-Use up to 10 workstation/systems**	**B1740L**	**$5,250**
[ ] **Task Broker License-To-Use up to 50 workstation/systems**	**B1741L**	**$15,750**
[ ] **Task Broker Site License-To-Use**	**B1742L**	**$31,500**

DCE/9000

HP's Distributed Computing Environment (DCE) products provide a high-quality, comprehensive, standards-based framework to develop, administer, and use distributed applications.

The basic unit of configuration in the Distributed Computing Environment is the DCE cell.
A DCE cell consists of at least one of each of the following products:

- o B2920A or B2921A, DCE Core Services, Media and Documentation
- o B2923A, DCE Client License (one per system)
- o B2924A, DCE CDS Server License
- o B2925A, DCE Security Server License

DCE Core Services

[ ] **DCE Core Services, media & documentation, US Version**	**B2920A**	**$1,500**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$195
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] **DCE Core Services, media & documentation, International Version** The international version of DCE Core Services conforms to U.S. technology export restrictions on DES encryption.	**B2921A**	**$1,500**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$195
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] **DCE Client License**	**B2923A**	**$395**
[ ] **DCE CDS Server License**	**B2924A**	**$3,100**
[ ] **DCE Security Server License**	**B2925A**	**$3,100**
[ ] **DCE DFS Server License**	**B2919AA**	**$1,800**
[ ] **DCE NFS-DFS Server Gateway License** The DCE NFS-DFS Secure Gateway Server allows NFS users to access DFS files in a secure manner. This server is not required to run DFS but does provide an extra level of security not available in other vendor's systems. Only one Secure Gateway Server and License is required per cell.	**B2918AA**	**$2,000**
[ ] **DCE GDS Server License** The DCE GDS Server is an X.500-based directory service that allows users to locate DCE cells other than their own. Only one is required per cell.	**J2392AA**	**$3,100**

DCE Application Tools

	Product #	U.S. List Price
[ ] DCE Application Development Tools, media & doc	**B2922A**	**$2,000**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$195
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] DCE Application Development Tools License	**B2926A**	**$795**

DCE Bundles

[ ] HP DCE Quickstart Bundle	**B2903A**	**$11,000**
Contains all licenses, software, and documentation required to build and operate a 5-node DCE cell and to allow 5 developers to use the DCE development tools. Includes:		
o 1 - B2921A, DCE Core Services, Media and Documentation, International Version (U.S. customers wishing to write applications using DES encryption must purchase B2920A separately.)		
o 5 - B2923A, DCE Client Licenses		
o 1 - B2924A, DCE CDS Server License		
o 1 - B2925A, DCE Security Server License		
o 1 - B2922A, DCE Application Development Tools, Media and Documentation		
o 5 - B2926A, DCE Application Development Tools Licenses		
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C

DCE Documentation

[ ] HP DCE hardcopy documentation	**B2927A**	**$795**

SYSTEM & NETWORK MANAGEMENT

Performance Management

HP PerfView

HP PerfView centrally manages performance in a distributed heterogeneous computing environment.

	Product #	U.S. List Price
[ ] HP PerfView Analysis Software for HP 9000 Series 700	**H5289A**	
[ ] License-To-Use for 1 HP-UX manager.	UAU	$26,000
[ ] Credit for HP OpenView Network Node Manager	0CZ	($15,000)
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape, and manual.	AAH	$195
[ ] CD-ROM Certificate only, and manual.	AAU	$195
[ ] Additional Manual.	0B1	$100
[ ] HP PerfView full agent license for HP 9000 HP-UX systems	**H5292A**	
Full agents collect global and application data.		
Required: Select ONE		
[ ] Single node license.	UDE	$2,000
[ ] Up to 5 nodes.	UDF	$7,000
[ ] Up to 10 nodes.	UDG	$12,000
[ ] Up to 25 nodes.	UDH	$25,000
[ ] Up to 50 nodes.	UDJ	$40,000
[ ] HP PerfView full agent license for Sun SPARC systems	**H5293A**	
Required: Select ONE		
[ ] Single node license.	UDE	$2,000
[ ] Up to 5 nodes.	UDF	$7,000
[ ] Up to 10 nodes.	UDG	$12,000
[ ] Up to 25 nodes.	UDH	$25,000
[ ] Up to 50 nodes.	UDJ	$40,000
[ ] HP PerfView full agent license for IBM RS6000 systems	**H5963A**	
Required: Select ONE		
[ ] Single node license.	UDE	$2,000
[ ] Up to 5 nodes.	UDF	$7,000
[ ] Up to 10 nodes.	UDG	$12,000
[ ] Up to 25 nodes.	UDH	$25,000
[ ] Up to 50 nodes.	UDJ	$40,000
[ ] HP PerfView agent license for HP 9000 HP-UX desktop systems	**H5294A**	
Required: Select ONE		
[ ] Up to 10 nodes.	UDG	$3,500
[ ] Up to 25 nodes.	UDH	$7,500
[ ] Up to 50 nodes.	UDJ	$11,250
[ ] Up to 100 nodes.	UDK	$15,000
[ ] HP PerfView agent license for Sun SPARCdesktop systems	**H5295A**	
Required: Select ONE		
[ ] Up to 10 nodes.	UDG	$3,500
[ ] Up to 25 nodes.	UDH	$7,500
[ ] Up to 50 nodes.	UDJ	$11,250
[ ] Up to 100 nodes.	UDK	$15,000

Computer Museum

	Product #	U.S. List Price
[ ] HP PerfView agent license for IBM RS6000 desktop systems	**H5964A**	
Required: Select ONE		
[ ] Up to 10 nodes.	UDG	$3,500
[ ] Up to 25 nodes.	UDH	$7,500
[ ] Up to 50 nodes.	UDJ	$11,250
[ ] Up to 100 nodes.	UDK	$15,000

HP GlancePlus

On-line performance monitoring and diagnostic software
with Motif-based interface.

[ ] HP GlancePlus License-To-Use	**B3690AA**	
Required: Select ONE		
[ ] Single Node License	UDE	$800
[ ] 10 node license - NOT for use on SERVERS	UDG	$3,000
[ ] 25 node license - NOT for use on SERVERS	UDH	$6,000
[ ] 50 node license - NOT for use on SERVERS	UDJ	$10,000
[ ] HP GlancePlus Media and Manuals	**B3691AA**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$195
[ ] CD-ROM Certificate only, and manual.	AAU	$100
[ ] Additional Manual.	0B1	$60
Required: specify HP-UX Release		
[ ] Version for HP-UX 9.0	APH	N/C

HP GlancePlus Pak
On-line performance monitoring and diagnostic software
with HP PCS for logging of system performance data.

[ ] HP GlancePlus Pak License-To-Use	**B3698AA**	
Required: Select ONE		
[ ] Single Node License	UDE	$1,850
[ ] 10 node license - NOT for use on SERVERS	UDG	$7,000
[ ] 25 node license - NOT for use on SERVERS	UDH	$14,000
[ ] 50 node license - NOT for use on SERVERS	UDJ	$23,350
[ ] HP GlancePlus Pak Media and Manuals	**B3699AA**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$195
[ ] CD-ROM Certificate only, and manual.	AAU	$100
[ ] Additional Manual.	0B1	$60
Required: specify HP-UX Release		
[ ] Version for HP-UX 9.0	APH	N/C
HP PerfRX Analysis Software		
[ ] HP PerfRX Analysis Software License-To-Use for One System	**B3467AA**	**$5,500**

	Product #	U.S. List Price
[ ] HP PerfRX Analysis Software Media and Manuals	**B3468AA**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$195
[ ] CD-ROM Certificate only, and manual.	AAU	$100
[ ] Additional Manual.	0B1	$60
[ ] HP Performance Collection Software	**B1806A**	
Collects and stores global, application, and process level data for a user defined amount of time. Also available on Sun SPARC systems and IBM RS6000s.		
[ ] Single Node License.	UDE	$1,200
[ ] Manual.	0BE	$100
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$195
[ ] CD-ROM Certificate only.	AAU	N/C
Required: Select ONE		
[ ] Version for HP-UX 8.05	APE	N/C
[ ] Version for HP-UX 8.07	APF	N/C
[ ] Version for HP-UX 9.0	APH	N/C

Storage Management

[ ] HP OmniBack Base License	**B1922A**	
Required: Select ONE		
[ ] 2-User License	UA1	$3,000
[ ] 8-User License	UA3	$3,500
[ ] 16-User License	UA5	$4,000
[ ] 32-User License	UA7	$5,000
[ ] 64-User License	UA9	$7,000
[ ] 128-User License	UAB	$9,500
[ ] 256-User License	UAD	$12,000
[ ] 512-User License	UCQ	$15,000
[ ] Credit for 2-User License	UB1	($3,000)
[ ] Credit for 8-User License	UB3	($3,500)
[ ] Credit for 16-User License	UB5	($4,000)
[ ] Credit for 32-User License	UB7	($5,000)
[ ] Credit for 64-User License	UB9	($7,000)
[ ] Credit for 128-User License	UBA	($9,500)
[ ] Credit for 256-User License	UBV	($12,000)

	Product #	U.S. List Price
[ ] HP OmniBack/Turbo Base License	**B1923A**	
Required: Select ONE		
[ ] 2-User License	UA1	$5,000
[ ] 8-User License	UA3	$6,000
[ ] 16-User License	UA5	$7,000
[ ] 32-User License	UA7	$9,000
[ ] 64-User License	UA9	$13,000
[ ] 128-User License	UAB	$20,000
[ ] 256-User License	UAD	$28,000
[ ] 512-User License	UCQ	$38,000
[ ] Credit for 2-User License	UB1	($5,000)
[ ] Credit for 8-User License	UB3	($6,000)
[ ] Credit for 16-User License	UB5	($7,000)
[ ] Credit for 32-User License	UB7	($9,000)
[ ] Credit for 64-User License	UB9	($13,000)
[ ] Credit for 128-User License	UBA	($20,000)
[ ] Credit for 256-User License	UBV	($28,000)
[ ] Upgrade credit from HP OmniBack 2-User License	001	($3,000)
[ ] Upgrade credit from HP OmniBack 8-User License	002	($3,500)
[ ] Upgrade credit from HP OmniBack 16-User License	003	($4,000)
[ ] Upgrade credit from HP OmniBack 32-User License	004	($5,000)
[ ] Upgrade credit from HP OmniBack 64-User License	005	($7,000)
[ ] Upgrade credit from HP OmniBack 128-User License	006	($9,500)
[ ] Upgrade credit from HP OmniBack 256-User License	007	($12,000)
[ ] Upgrade credit from HP OmniBack 512-User License	009	($15,000)
[ ] HP OmniBack for HP-UX 8.05 or 8.07	**B1945A**	**$250**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] U.S. English	ABA	N/C
[ ] Japanese.	ABJ	N/C
[ ] License-To-Use for 3 months - Evaluation copy.	AGZ	($100)
[ ] HP OmniBack HP-UX 9.0	**B1945B**	**$250**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] U.S. English	ABA	N/C
[ ] Japanese.	ABJ	N/C
[ ] License-To-Use for 3 months - Evaluation copy.	AGZ	($100)
[ ] HP OmniBack/Turbo. HP-UX 8.05 or 8.07	**B1929A**	**$250**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] U.S. English	ABA	N/C
[ ] Japanese.	ABJ	N/C
[ ] License-To-Use for 3 months - Evaluation copy.	AGZ	($100)

	Product #	U.S. List Price
[ ] **HP OmniBack/Turbo. HP-UX 9.0**	**B1929B**	**$250**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] U.S. English	ABA	N/C
[ ] Japanese.	ABJ	N/C
[ ] License-To-Use for 3 months - Evaluation copy.	AGZ	($100)
[ ] **HP OmniStorage Manager License-To-Use (<=20GB)** Provides automatic and transparent storage management for optical storage servers up to 20 GigaBytes in capacity.	**B1970AA**	**$12,000**
[ ] **HP OmniStorage Manager License-To-Use (<=120GB)** Provides automatic and transparent storage management for optical storage servers up to 120 GigaBytes in capacity.	**B1971AA**	**$32,000**
[ ] **HP OmniStorage Manager License-To-Use (<=400GB)** Provides automatic and transparent storage management for optical storage servers up to 400 GigaBytes in capacity.	**B1972AA**	**$60,000**
[ ] **HP OmniStorage Manager License-To-Use (>400GB)** Provides automatic and transparent storage management for optical storage servers over 400 GigaBytes in capacity.	**B1973AA**	**$100,000**
[ ] **HP OmniStorage Media and Documentation**	**B1977A**	**$300**
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C

Print Management

[ ] **HP OpenSpool**	**B1900B**	
Required: Select ONE		
[ ] License to use 2 workstations.	UA1	$200
[ ] License to use 8 workstations.	UA3	$800
[ ] License to use 16 workstations.	UA5	$1,600
[ ] License to use 32 workstations.	UA7	$3,200
[ ] License to use 64 workstations.	UA9	$5,100
[ ] License to use 128 workstations.	UAB	$8,000
[ ] License to use 256 workstations.	UAD	$10,000
[ ] License to use 512 workstations.	UCQ	$12,000
[ ] Unlimited license to use for 1 site.	UBN	$75,000
[ ] Single country/company license.	0AZ	$300,000
[ ] License to use supplimentary filters for one output device. Requires B1907A, B1909B or B1917B.	222	$595
[ ] Credit for 2-User License	UB1	($200)
[ ] Credit for 8-User License	UB3	($800)
[ ] Credit for 16-User License	UB5	($1,600)
[ ] Credit for 32-User License	UB7	($3,200)
[ ] Credit for 64-User License	UB9	($5,100)
[ ] Credit for 128-User License	UBA	($8,000)

	Product #	U.S. List Price
[ ] HP OpenSpool Software Documentation	**B1907B**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$150
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] U.S. English	ABA	$150
[ ] German	ABD	$150
[ ] Spanish	ABE	$150
[ ] Japanese	ABJ	$150
[ ] License-To-Use for 3 months - Evaluation copy.	AGZ	($150)
[ ] HP OpenSpool Supplimentary set of filters (SharedPrint)	**B1917B**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$150
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] U.S. English	ABA	$150

Network Management

HP OpenView Network Node Manager	**J2317A**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	004	$126
[ ] CD-ROM media & documentation.	005	$126
Required: Select ONE		
[ ] License to use on a single system.	008	$15,750
[ ] Return Credit for previously purchased SNMP or DM Management platform	013	($7,000)
[ ] Upgrade Credit for previous version.	014	($10,000)
[ ] Additional hardcopy manuals.	015	$84
[ ] HP OpenView Enterprise Management Station	**B1040B**	**$44,000**
Required: Select ONE		
[ ] HP OpenView Network Node Manager	200	$8,800
[ ] HP Openview Probe Manager	201	$4,095
[ ] HP OpenView SNMP Platform	**J2314A**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	004	$105
[ ] CD-ROM media & documentation.	005	$105
Required: Select ONE		
[ ] License to use on a single system.	008	$7,000
[ ] Additional hardcopy manuals.	015	$75
[ ] Ingres DB DAT and manuals.	024	$265
[ ] Ingres DB CD-ROM and manuals.	025	$265
[ ] Ingres DB Single User License.	028	$5,250
[ ] Additional Ingres DB manual set.	039	$158

	Product #	U.S. List Price
[ ] HP OpenView SNMP Developer's kit	**J2311A**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	004	$265
[ ] CD-ROM media & documentation.	005	$265
Required: Select ONE		
[ ] License to use on a single system.	008	$13,150
[ ] Five (5) User License.	009	$52,500
[ ] Ten (10) User License.	010	$84,000
[ ] Twenty (20) User License.	011	$157,500
[ ] Credit upgrade from HP OpenView SNMP Management Platform	013	($7,000)
[ ] Additional hardcopy manuals.	015	$158
[ ] Ingres DB DAT and manuals.	024	$265
[ ] Ingres DB CD-ROM and manuals.	025	$265
[ ] Ingres DB Single User License.	028	$5,250
[ ] Ingres DB Five (5) User License.	029	$21,000
[ ] Ingres DB Ten (10) User License.	030	$36,750
[ ] Ingres DB Twenty (20) User License.	031	$63,000
[ ] Additional Ingres DB manual set.	039	$158
[ ] HP OpenView Interconnect Manager	**27361B**	**$20,000**
[ ] Provides both software on 1/4" cartridge tape & printed manuals.	AA0	N/C
[ ] Provides both software on DDS (4mm DAT) tape and printed manuals.	AAH	N/C
[ ] HP OpenViewDistributed Management Developer's Kit	**J2320A**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	004	$350
[ ] CD-ROM media & documentation.	005	$350
Required: Select ONE		
[ ] License to use on a single system.	008	$24,150
[ ] Five (5) User License.	009	$96,600
[ ] Ten (10) User License.	010	$157,500
[ ] Twenty (20) User License.	011	$288,750
[ ] Credit for current HP OpenView Network Node Manager.	012	($7,000)
[ ] Credit upgrade from HP OpenView SNMP Developer's Kit.	013	($7,500)
[ ] Credit upgrade from HP OpenView NMS Developer's Kit.	014	($13,000)
[ ] Additional hardcopy manuals.	019	$325
[ ] Ingres DB DAT and manuals.	024	$265
[ ] Ingres DB CD-ROM and manuals.	025	$265
[ ] Ingres DB Single User License.	028	$5,250
[ ] Ingres DB Five (5) User License.	029	$21,000
[ ] Ingres DB Ten (10) User License.	030	$36,750
[ ] Ingres DB Twenty (20) User License.	031	$63,000
[ ] Additional Ingres DB manual set.	039	$225
[ ] HP OpenView Distributed Management Platform	**J2323A**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	004	$265
[ ] CD-ROM media & documentation.	005	$265
Required: Select ONE		
[ ] License to use on a single system.	008	$8,400
[ ] Credit for current HP OpenView Network Node Manager.	012	($7,000)
[ ] Credit upgrade from HP OpenView SNMP Developer's kit.	013	($7,000)
[ ] Additional hardcopy manuals.	019	$158
[ ] Ingres DB DAT and manuals.	024	$265
[ ] Ingres DB CD-ROM and manuals.	025	$265
[ ] Ingres DB Single User License.	028	$5,250
[ ] Additional Ingres DB manual set.	039	$158

	Product #	U.S. List Price
[ ] HP OpenView Extensible SNMP Agent	**B1037B**	
Required: Select ONE		
[ ] Provides both software on 1/4" cartridge tape & printed manuals.	AA0	$105
[ ] Provides both software on DDS (4mm DAT) tape and printed manuals.	AAH	$105
Required: Select ONE		
[ ] License for use on a single system.	UA0	$1,050
[ ] License for use on 100 systems.	UAE	$63,000
[ ] License for use on 1000 systems.	UAG	$315,000

HP OpenView Node Manager for NetWare Stations, Licenses

[ ] HP OV Node Manager for NetWare Station Manager License-to-Use	**J1042AA**	**$6,750**
[ ] HP OV Node Manager for NetWare Station Agent License-To-Use	**J1042AB**	
Required: Select ONE		
[ ] Station Agent (1 - 19) each		$500
[ ] Station Agent (20 - 99) each		$400
[ ] Station Agent (100+) each		$350

HP OpenView Node Manager for NetWare Servers, Licenses

[ ] HP OV Node Manager for NetWare Servers	**J1047AA**	**$7,750**
[ ] HP OV Node Manager for NetWare Server Agent License-To-Use	**J1047AB**	
Required: Select ONE		
[ ] Station Agent (1 - 19) each		$550
[ ] Station Agent (20 - 99) each		$450
[ ] Station Agent (100+) each		$400

HP OpenView Node Manager for NetWare Bundles, Licenses - includes Station and Server Manager

[ ] HP OV Node Manager for NetWare License-To-Use (Bundle)	**J1050AA**	**$12,500**
[ ] HP OV Node Manager for NetWare Agent, License-To-Use (Bundle)	**J1050AB**	
Required: Select ONE		
[ ] Station Agent (1 - 19) each		$1,000
[ ] Station Agent (20 - 99) each		$800
[ ] Station Agent (100+) each		$700

HP OpenView SNA Node Manager, Licenses

[ ] HP OV SNA Node Manage License-To-Use	**J1053AA**	**$12,750**
[ ] HP OV SNA Node Manager MVS Agent License-To-Use, 10 Subareas	**J1053AB**	**$15,000**

HP OpenView Node Manager Media and Documentation

[ ] HP OV Node Manager for NetWare Station Media and Documentation	**J1040AA**	
Note: requires previous or concurrent purchase of HP OV Node Manager for NetWare Station License-To-Use, J1042AA.		
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape, and documentation.	AAH	$50
[ ] CD-ROM Certificate only, and documentation.	AAF	$50
[ ] HP OV Node Manager for NetWare Station Agent Media and Documentation	**J1041AA**	
Note: requires previous or concurrent purchase of HP OV Node Manager for NetWare Station Agent License-To-Use, J1042AB.		
[ ] Provides software on 3.5 inch disk, and documentation	AAD	$50

	Product #	U.S. List Price
[ ] **HP OV Node Manager for Netware Media and Documentation** *Note: requires previous or concurrent purchase of Node Manager for Netware Servers License-To-Use, J1047AA or Node Manager for Netware Bundle License-To-Use, J1050AA* *Required: Select ONE*	**J1045AA**	
[ ] Provides software on DDS (4mm DAT) tape, and documentation.	AAH	$50
[ ] CD-ROM Certificate only, and documentation.	AAF	$50
[ ] **HP OV Node Manager for Netware Agents Media and Documentation** *Note: requires previous or concurrent purchase of Node Manager for Netware Servers Agent License -to-use 1J047AB or Node Manager for Netware Agents Bundle License-To-Use, J1050AB*	**J1046AA**	
[ ] Provides software on 3.5 inch disk, and documentation	AAD	$50
[ ] **HP OV Node Manager for NetWare Servers User's Documentation**	**J1048AA**	**$100**
[ ] **HP OV Node Manager for NetWare Stations User's Documentation**	**J1043AA**	**$100**
[ ] **HP OV SNA Node Manager Media and Documentation** *Note: requires previous or concurrent purchase of HP OV SNA Node Manager License-To-Use, J1053AA* *Required: Select ONE*	**J1051AA**	
[ ] Provides software on DDS (4mm DAT) tape, and documentation.	AAH	$50
[ ] CD-ROM Certificate only, and documentation.	AAF	$50
[ ] **HP OV SNA Agent MVS Cartridge Media** *Note: requires previous or concurrent purchase of HP OV SNA Node Manager MVS License, J1053AB*	**J1052AA**	**$50**
[ ] **HP OV SNA Node Manager Documentation**	**J1054AA**	**$50**

NETWORKING AND COMMUNICATIONS

SNA Connectivity Products

Note: All SNA products require that HP STREAMS/UX, product J2232A, be installed on each Series 700 workstation running SNAplus. Order information for HP STREAMS/UX may be found below in the Networking and Communications section of this guide.

	Product #	U.S. List Price
[ ] **SNAplusLink**	**J2226A**	
[ ] Right-to-use license (required)	AHN	$1,785
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] SNAplus Migration Guide to HP-UX Version 8.07	0BD	N/C
[ ] SNAplus Migration Guide to HP-UX Version 9.0	0BG	N/C
[ ] Delete Manual set.	0B0	($30)
[ ] Japanese manuals.	ABJ	N/C
[ ] PC Clients Option	100	$30
[ ] Add EISA Card.	UG3	$1,785
[ ] **SNAplus3270**	**J2227A**	**$1,165**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] HLLAPI Programmers Guide for HP-UX Version 8.07	0BD	N/C
[ ] HLLAPI Programmers Guide for HP-UX Version 9.0	0BG	N/C
[ ] Delete Manual set.	0B0	($30)
[ ] Japanese manuals.	ABJ	N/C
[ ] **SNAplusRJE**	**J2228A**	**$1,110**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
Required: Specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] Delete Manual set.	0B0	($30)
[ ] Japanese manuals.	ABJ	N/C
[ ] **SNAplusAPI**	**J2229A**	**$1,575**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] APPC Programmer's Migration Guide	0BG	N/C
[ ] Delete Manual set.	0B0	($30)

	Product #	U.S. List Price
[ ] **SNAplus3179G**	**J2230A**	**$1,545**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] Delete Manual set.	0B0	($30)
[ ] Japanese manuals.	ABJ	N/C

Local Area Links

[ ] **HP Token Ring/9000**	**J2165A**	**$1,675**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] Delete Manual set.	0B0	($36)
[ ] **LAN/9000**	**25567B**	**$1,465**
[ ] LAN/9000 ThickLAN connection.	740	$415
[ ] LAN/9000 EtherTwist connection.	840	$205
[ ] **Apollo Token Ring (ATR) for Model 730 & Model 750**	**A2544A**	**$1,435**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
Required: Select ONE		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] HP-UX 8.0 version.	APB	N/C
[ ] **Apollo Token Ring (ATR) for Model 720**	**A2545A**	**$2,095**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
Required: Select ONE		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] HP-UX 8.0 version.	APB	N/C

Services

[ ] **NS/9000 Network Services**	**J2140A**	**$770**
Required: Select ONE		
[ ] CD-ROM Certificate only for HP-UX 9.0.	UJB	N/C
[ ] CD-ROM Certificate only for HP-UX 8.07.	UJ8	N/C
[ ] Provides software on DDS (4mm DAT) tape for HP-UX 9.0.	UJC	$105
[ ] Provides software on DDS (4mm DAT) tape for HP-UX 8.07.	UJ9	$110

Wide Area Links

	Product #	U.S. List Price
[ ] X.25/9000 Link Product	**J2159A**	**$2,400**
Note: All X.25 products require that HP STREAMS/UX, product J2232A, be installed on each Series 700 workstation running X.25. Order information for HP STREAMS/UX may be found below in the Networking and Communications section of this guide.		
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape for HP-UX 9.0.	UJC	N/C
[ ] Provides software on DDS (4mm DAT) tape for HP-UX 8.07.	UJ9	N/C
[ ] CD-ROM Certificate only for HP-UX 9.0.	UJB	N/C
[ ] RS-232 Interface Cable.	1AT	N/C
[ ] V.35 Interface Cable.	1AU	N/C
[ ] Delete Software.	1AW	($1,200)
[ ] X.25/9000 Link Product for Series 712 Workstations	**A4015A**	**$795**
Note: All X.25 products require that HP STREAMS/UX, product J2232A, be installed on each Series 700 workstation running X.25. Order information for HP STREAMS/UX may be found below in the Networking and Communications section of this guide.		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C

ISDN Products

[ ] HP ISDN Link 64kbs	**J2104A**	**$2,400**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Delete software and manuals.	1AW	($500)
[ ] TCP/IP to ISDN Gateway/Router for ISDN Link 64kbs	**J2105A**	**$1,088**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] HP ISDN Link 56kbs and 64kbs	**J2109A**	**$2,310**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Delete software and manuals.	1AW	($500)
[ ] TCP/IP to ISDN Gateway/Router for ISDN Link 56kbs and 64kbs	**J2108A**	**$1,088**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C

Open Systems Integration (OSI) Products

	Product #	U.S. List Price
[ ] HP OTS/9000	**J2160A**	**$2,625**
Note: HP OTS/9000 requires that HP STREAMS/UX, product J2232A, be installed on each Series 700 workstation runningOSI Transport Services. Order information for HP STREAMS/UX may be found below in the Networking and Communications section of this guide.		
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] Delete Manual set.	0B0	($50)
[ ] HP MMS/9000	**J2161A**	**$2,100**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] Delete Manual set.	0B0	($49)
HP X.400/9000	**J2162A**	**$3,675**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
Required: Select ONE		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] Delete Manual set.	0B0	($50)
[ ] Japanese manuals.	ABJ	N/C
[ ] HP FTAM/9000	**J2163A**	**$1,260**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C
[ ] Delete Manual set.	0B0	($50)
[ ] Japanese manuals.	ABJ	N/C
[ ] STREAMS/UX for HP9000 Series 700	**J2232A**	**$195**
STREAMS/UX provides a UNIX-compatible STREAMS interface to the HP-UX kernel for network and I/O applications. STREAMS/UX must be installed on any Series 700 workstation running HP SNA, X.25, OSI, LanManager or NetWare products.		
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C

	Product #	U.S. List Price
[ ] **HP OpenView X.400 Manager**	**J2387A**	**$7,000**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] Delete Manual set.	0B0	($25)
[ ] **X.500 Directory Server/Client Series 700 License-To-Use**	**J2394AA**	**$5,250**
[ ] **X.500 Directory Server/Client Series 700 Media**	**J2395AA**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$100
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] **X.500 Directory Client Series 700 License-To-Use**	**J2396AA**	**$1,050**
[ ] **X.500 Directory Client Series 700 Media**	**J2397AA**	
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$100
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] **Manual for X.500 Directory for Series 700**	**J2398AA**	**$100**

GRAPHICS

	Product #	U.S. List Price
[ ] HP PEX 5.1 3D Development Environment	**B3176A**	**$1,750**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] Preload and preconfigure software product with Instant Ignition.	0D1	N/C
Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.		
This product must appear in the same section of the order as HP-UX Instant Ignition.		
[ ] HP PEX 5.1 Run-Time Libraries	**B3177A**	**$245**
Note: Run-Time License for PEX now bundled with HP-UX 9.0 as of 6/94		
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] Preload and preconfigure software product with Instant Ignition.	0D1	N/C
Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.		
This product must appear in the same section of the order as HP-UX Instant Ignition.		
[ ] PowerShade 3D surfaces rendering software	**B2156C**	**$995**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Preload and preconfigure software product with Instant Ignition.	0D1	N/C
Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.		
This product must appear in the same section of the order as HP-UX Instant Ignition.		
[ ] HP PHIGS 2.2 Development Libraries. HP-UX 8.05 & 8.07	**B2363C**	**$3,570**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Hardcopy manuals.	0BJ	$370
[ ] HP PHIGS 2.2 Run-Time Libraries. HP-UX 8.05 & 8.07	**B2364C**	**$525**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] HP PHIGS 2.3 Development Libraries. HP-UX 9.0	**B2363D**	**$3,570**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Hardcopy manuals.	0BJ	$370

	Product #	U.S. List Price
[ ] HP PHIGS 2.3 Run-Time Libraries. HP-UX 9.0	**B2364D**	**$525**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] HP ARTCore Development Environment	**B2930A**	**$1,500**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Hardcopy manuals.	0BJ	$370
[ ] HP ARTCore Run-Time Libraries	**B2931A**	**$500**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C

MIGRATION TOOLS

	Product #	U.S. List Price
[ ] **DMX**	**B2895A**	**$99**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$205
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Hardcopy manuals.	0BJ	$105
[ ] **Passwd/Etc**	**B2681A**	**$225**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$195
[ ] CD-ROM Certificate only.	AAU	N/C
Required: specify HP-UX Release		
[ ] HP-UX 9.0 version.	APH	N/C
[ ] HP-UX 8.07 version.	APF	N/C

HP-RT PRODUCTS

HP-RT Developer's Kit

The HP-RT Developer's Kit is used to develop high performance real-time applications for the HP 9000 Series 700rt VMEbus board computers.

	Product #	U.S. List Price
[ ] **HP-RT Developer's Kit License-To-Use** *Note: one license is required per developer.*	**B3799AB**	**$9,995**
[ ] **HP-RT Developer's Kit Software and Manuals** *Note: requires concurrent or previous purchase of HP-RT Developer's Kit LTU, B3799AB*	**B3800AA**	**$1,195**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C

VME Backplane Networking

VME Backplane Networking allows multiple HP-RT, HP-UX, and VxWorks systems to network over a common VME bus.

[ ] **VME Backplane Networking License-To-Use**	**B3802AA**	**$1,495**
[ ] **VME Backplane Networking Software and Manuals** This product provides software and manuals to install and use the VME Backplane Networking drivers. *Note: requires concurrent or previous purchase of VME Backplane Networking LTU, B3802AA*	**B3803AA**	**$495**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C

HP-RT OTSrt

OTSrt provides the transport layer implementation of the OSI reference model for connectionless network services.

[ ] **OTSrt License-To-Use**	**B3805AA**	**$2,995**
[ ] **OTSrt Software and Manuals** *Note: requires concurrent or previous purchase of OTSrt LTU, B3486A.*	**B3806AA**	**$495**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C

HP-RT STREAMSrt

STREAMSrt provides the tools and files to develop applications and drivers using the STREAMS interface into the HP-UX kernel.

[ ] **STREAMSrt License-To-Use**	**B3808AA**	**$1,995**
[ ] **STREAMSrt Software and manuals** *Note: requires concurrent or previous purchase of STREAMSrt LTU, B3808AA*	**B3809AA**	**$495**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] CD-ROM Certificate only.	AAU	N/C

MISCELLANEOUS

	Product #	U.S. List Price
[ ] HP Visual Editor 2.1 License-To-Use	**B1504A**	**$200**
Required: Select ONE		
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$195
[ ] CD-ROM Certificate only.	AAU	N/C
[ ] Hardcopy manuals.	0BJ	$25
[ ] HP VEE-Engine	**E2101B**	**$895**
Required: Select ONE		
[ ] Provides software on CD-ROM media.	AAF	$50
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$50
[ ] US English documentation.	ABA	$50
[ ] German documentation.	ABD	$50
[ ] French documentation.	ABF	$50
[ ] Japanese documentation.	ABJ	$50
[ ] HP VEE-Test	**E2111B**	**$5,900**
Required: Select ONE		
[ ] Provides software on CD-ROM media.	AAF	$50
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$50
[ ] US English documentation.	ABA	$50
[ ] German documentation.	ABD	$50
[ ] French documentation.	ABF	$50
[ ] Japanese documentation.	ABJ	$50
[ ] HP VEE-Test/RunOnly	**E2116B**	**$1,750**
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$50
[ ] SICL Instrument Control	**E2091B**	**$500**
Required: Select ONE		
[ ] Provides software on CD-ROM media.	AAF	N/C
[ ] Provides software on DDS (4mm DAT) tape.	AAH	N/C
[ ] EISA High-speed HP-IB interface card for instrument control	**E2071I**	**$995**
[ ] SRM/UX Network Server	**E2085C**	
Required: Select ONE		
[ ] Provides software on CD-ROM media.	AAF	$4,795
[ ] Provides software on DDS (4mm DAT) tape.	AAH	$4,795
[ ] Provides software on 1/4" cartridge tape.	AA0	$4,795

Computer Museum

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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	License to use software updates	License to use software updates
Updates*	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	Software phone-in assistance	Software phone-in assistance
License to use software updates	License to use software updates	License to use software updates
Updates*	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.		
	Next Day	4 Hour	24x7
Coverage Hours	8am-5pm Mon-Fri	8am-9pm* Mon-Fri	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.

Model Number	Product Number	0S0 ND/LTU	0S1 SD/LTU	0S2 ND/Tel	0S3 SD/Tel	0S4 Install	0S5 4x7/LT	0S6 24x7/Tel
Series 700 - Software Support Options								
HP-UX Media	B2352A	120	120	120	120	N/A	120	120
	B2826A	0	0	0	0	N/A	0	0
	B2826B	0	0	0	0	N/A	0	0
HP-UX Run-Time Environment	B2213A	0	0	240	240	N/A	0	240
	B2353A	120	120	179	179	N/A	120	179
	B2387A	120	120	120	120	N/A	120	120
	B2395A	120	120	120	120	N/A	120	120
	B2396A	120	120	120	120	N/A	120	120
	B2397A	120	120	120	120	N/A	120	120
	B2487A	180	180	270	270	N/A	180	270
	B2816A	120	120	120	120	N/A	120	120
	B3150A	0	0	0	0	N/A	0	0
HP-UX License Upgrades	B2395A	120	120	120	120	N/A	120	120
	B2396A	120	120	120	120	N/A	120	120
	B2397A	120	120	120	120	N/A	120	120
	B2487A	180	180	270	270	N/A	180	270
	B2816A	120	120	120	120	N/A	120	120
	B3287A	120	120	120	120	N/A	120	120
	B3814AA	0	0	0	0	N/A	0	0
HP-UX Documentation	B2355A	105	105	105	105	N/A	105	105
	B2355B	105	105	105	105	N/A	105	105
	B2815A	0	0	0	0	N/A	0	0
	B2815B	105	105	105	105	N/A	105	105
Enware	B3651BA	69	69	240	240	N/A	69	240
	B3652BA	69	69	240	240	N/A	69	240
	B3653BA	69	69	240	240	N/A	69	240
	B3654BA	69	69	240	240	N/A	69	240
	B3655BA	69	69	240	240	N/A	69	240
	B3667BA	*	*	*	*	*	*	*
	B3659AA	*	*	*	*	*	*	*
HP Ready-To-Wear	B3231AA	95	95	95	95	N/A	95	95
	B3232AA	60	60	60	60	N/A	60	60
	B3232AD	72	72	72	72	N/A	72	72
	B3232AE	72	72	72	72	N/A	72	72
	B3232AF	72	72	72	72	N/A	72	72
	B3232AZ	72	72	72	72	N/A	72	72
	B3233AA	60	60	60	60	N/A	60	60
	B3233AD	95	95	95	95	N/A	95	95
	B3233AE	95	95	95	95	N/A	95	95
	B3233AF	95	95	95	95	N/A	95	95
	B3233AZ	95	95	95	95	N/A	95	95
	B3234AA	60	60	96	96	N/A	60	96

* Support pricing not available at the time of publication. Check CPL.

Model Number	Product Number	0S0 ND/LTU	0S1 SD/LTU	0S2 ND/Tel	0S3 SD/Tel	0S4 Install	0S5 4x7/LT	0S6 24x7/Tel
	B3235AA	60	60	60	60	N/A	60	60
	B3236AA	95	95	95	95	N/A	95	95
	B3236AD	95	95	95	95	N/A	95	95
	B3236AE	95	95	95	95	N/A	95	95
	B3236AF	95	95	95	95	N/A	95	95
	B3236AZ	95	95	95	95	N/A	95	95
	B3237AA	36	36	60	60	N/A	36	60
	B3239AA	95	95	95	95	N/A	95	95
MultiMedia Products	A2229A	0	0	240	240	N/A	0	240
	B1194BA	96	96	96	96	N/A	96	96
	B1195BA	120	120	120	120	N/A	120	120
	B2157A	0	0	149	149	N/A	149	205
	B3240AA	0	0	75	75	N/A	0	75
	B3241AA	0	0	0	0	N/A	0	0
	B3242AA	0	0	0	0	N/A	0	0
	B3243AA	0	0	75	75	N/A	0	75
	B3244AA	120	120	120	120	N/A	120	120
	B3387BB	24	24	48	48	N/A	24	48
	B3388BB	96	96	192	192	N/A	96	192
	B3389BB	24	24	48	48	N/A	24	48
	C1751A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	C1788B	*	*	*	*	N/A	*	*
Telecommunications	A4012A	60	60	240	240	N/A	60	240
PC Emulation	B3250AA	0	0	0	0	N/A	0	0
	B3249AB	85	85	195	195	N/A	85	195
	B3248AA	0	0	0	0	N/A	0	0
PC Interoperability	J2239A	0	0	240	240	624	0	240
	J2256A	288	288	432	432		288	432
Software Development Tools								
HP-UX	B2354A	180	180	520	520	N/A	180	520
	B2356A	0	240	0	240	N/A	0	240
	B2357A	0	0	520	520	N/A	520	205
	B2402A	147	147	293	293	N/A	147	293
	B2403A	0	0	0	0	N/A	0	0
	B2408A	180	180	270	270	N/A	180	270
	B2413A	0	0	225	225	N/A	0	225
	B2414A	0	0	225	225	N/A	0	225
HP Programmer's Toolset	B2430AA	72	72	72	72	N/A	72	72
	B2430AB	60	60	120	120	N/A	120	195
	B2431AA	72	72	72	72	N/A	72	72
	B2431AB	100	100	150	150	N/A	100	150

* Support pricing not available at the time of publication. Check CPL.

Model Number	Product Number	0S0 ND/LTU	0S1 SD/LTU	0S2 ND/Tel	0S3 SD/Tel	0S4 Install	0S5 4x7/LT	0S6 24x7/Tel
	B2432AA	72	72	72	72	N/A	72	72
	B2432AB	10	10	40	40	N/A	10	40
	B3152A	0	0	240	240	N/A	0	240
	B3153A	0	0	240	240	N/A	0	240
	B3154A	0	0	188	188	N/A	0	188
	B3452AA	0	0	0	0	N/A	0	0
	B3452AB	50	50	75	75	N/A	50	75
	B3454AA	0	0	0	0	N/A	0	0
	B3454AB	99	99	100	100	N/A	99	150
	B3477AA	0	0	0	0	N/A	0	0
	B3478AB	39	39	59	59	N/A	39	59
	B3479AA	0	0	0	0	N/A	0	0
	B3513AA	60	60	120	120	N/A	120	195
	B3514AB	84	84	168	168	N/A	84	168
	B3550AA	0	0	0	0	N/A	0	0
Softbench	B2617B	270	270	540	540	N/A	270	540
	B2620B	0	0	0	0	N/A	0	0
	B2640B	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	B2643B	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	B2645B	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	B2648B	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	B3280B	60	60	90	90	N/A	60	90
	B3283B	0	0	0	0	N/A	0	0
	B3560BB	230	230	345	345	N/A	230	345
	B3562BA	0	0	0	0	N/A	0	0
	B3590BB	270	270	540	540	N/A	270	540
	B3593BA	0	0	0	0	N/A	0	0
COBOL Softbench	B4015BB	329	329	494	494	N/A	329	494
Family	B4016BA	0	0	0	0	N/A	0	0
	B4018BB	449	449	674	674	N/A	449	674
	B4019BA	0	0	0	0	N/A	0	0
	B4021BB	349	349	524	524	N/A	349	524
	B4022BA	0	0	0	0	N/A	0	0
	B4024BB	629	629	944	944	N/A	629	944
	B4025BA	0	0	0	0	N/A	0	0

* Support pricing not available at the time of publication. Check CPL.

Model Number	Product Number	0S0 ND/LTU	0S1 SD/LTU	0S2 ND/Tel	0S3 SD/Tel	0S4 Install	0S5 4x7/LT	0S6 24x7/Tel
Japanese	B1186BJ	0	0	0	0	N/A	0	0
Localization	B2616BJ	0	0	0	0	N/A	0	0
	B2620BJ	0	0	0	0	N/A	0	0
	B3562BJ	0	0	0	0	N/A	0	0
Encapsulator	B2606B	250	250	500	500	N/A	250	500
	B2616B	0	0	0	0	N/A	0	0
C++ Developer	B2406B	250	250	375	375	N/A	250	375
	B2407B	0	0	0	0	N/A	0	0
SynerVision/	B3260A	684	684	982	982	N/A	684	982
ChangeVision	B3261A	395	395	593	593	N/A	395	593
	B3262A	354	354	502	502	N/A	354	502
	B3265A	0	0	0	0	N/A	0	0
	B3269A	0	0	0	0	N/A	0	0
	B3273A	0	0	0	0	N/A	0	0
Transfer License Product	B2633A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Interface	B1183A	250	250	500	500	N/A	250	500
Architect 2.0	B1186A	0	0	0	0	N/A	0	0
	B1189A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
UIM/X2.5	B1183B	250	250	500	500	N/A	250	500
	B1186B	0	0	0	0	N/A	0	0
	B1189B	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HP Branch Validator	B3095A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	B3097A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Clear Case 1.1	B3285A	400	400	600	600	N/A	400	600
Distributed	B4047AB	495	495	750	750	N/A	495	750
Smalltalk	B4048AA	0	0	0	0	N/A	0	0
	B4055AB	35	35	55	55	N/A	35	55
AllBase	B3146A	0	0	240	240	N/A	0	240
	B3147A	0	0	240	240	N/A	0	240
	B3197A	0	0	240	240	N/A	0	240
	B3198B	0	0	270	270	N/A	0	270
	B3480B	0	0	240	240	N/A	0	240

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Model Number	Product Number	0S0 ND/LTU	0S1 SD/LTU	0S2 ND/Tel	0S3 SD/Tel	0S4 Install	0S5 4x7/LT	0S6 24x7/Tel
Distributed Computing Tools								
Task Broker	B1732B	0	0	0	0	N/A	0	0
	B1740L	0	0	240	240	N/A	0	240
	B1741L	0	0	240	240	N/A	0	240
	B1742L	0	0	240	240	N/A	0	240
Core Services	B2918AA	140	140	280	280	N/A	140	280
	B2919AA	126	126	252	252	N/A	126	252
	B2920A	0	0	0	0	N/A	0	0
	B2921A	0	0	0	0	N/A	0	0
	B2923A	50	50	75	75	N/A	50	75
	B2924A	425	425	638	638	N/A	425	638
	B2925A	425	425	638	638	N/A	425	638
	J2392AA	217	217	434	434	N/A	217	434
Application Tools	B2922A	0	0	0	0	N/A	0	0
	B2926A	80	80	120	120	N/A	80	120
Bundles	B2903A	995	995	1,500	1,500	N/A	995	1,500
Documentation	B2927A	0	0	0	0	N/A	0	0
System Nework Management								
Performance	B1806A	0	0	200	200	N/A	0	200
Management	B3467AB	456	456	744	744	N/A	456	744
	B3468AA	180	180	180	180	N/A	180	180
	B3690AA	0	0	110	110	N/A	0	110
	B3691AA	130	130	130	130	N/A	130	130
	B3698AA	0	0	110	110	N/A	0	110
	B3699AA	130	130	130	130	N/A	130	130
	H5289A	0	0	240	240	N/A	0	240
	H5292A	0	0	0	0	N/A	0	0
	H5293A	200	200	300	300	N/A	200	300
	H5294A	0	0	0	0	N/A	0	0
	H5295A	350	350	525	525	N/A	350	525
	H5295A	350	350	525	525	N/A	350	525
	H5963A	350	350	950	950	N/A	350	950
	H5964A	350	350	525	525	N/A	350	525
	H5964A	350	350	525	525	N/A	350	525
Storage	B1923A	72	72	144	144	N/A	72	144
Management	B1929A	0	0	240	240	N/A	0	240
	B1929B	0	0	240	240	N/A	0	240
	B1942A	0	0	240	240	N/A	0	240
	B1945A	0	0	0	0	N/A	0	0
	B1945B	0	0	0	0	N/A	0	0

* Support pricing not available at the time of publication. Check CPL.

Model Number	Product Number	0S0 ND/LTU	0S1 SD/LTU	0S2 ND/Tel	0S3 SD/Tel	0S4 Install	0S5 4x7/LT	0S6 24x7/Tel
Print Management	B1900B	0	0	240	240	N/A	0	240
	B1907B	0	0	0	0	N/A	0	0
	B1917B	0	0	0	0	N/A	0	0
Network Management	27361B	0	0	600	600	N/A	0	600
	B1037A	0	0	600	600	N/A	0	600
	B1040B	1,344	1,584	2,304	2,544	563	1,899	2,669
	J2311A	0	0	N/A	N/A	N/A	0	N/A
	J2314A	0	0	600	600	N/A	0	600
	J2317A	0	0	600	600	N/A	0	600
	J2320A	0	0	N/A	N/A	N/A	0	N/A
	J2323A	0	0	260	260	N/A	0	260
	J2343A	0	0	600	600	N/A	0	600
Node Management	J1040AA	0	0	0	0	N/A	0	0
	J1041AA	0	0	0	0	N/A	0	0
	J1042AA	675	675	995	995	N/A	675	995
	J1042AB	50	50	75	75	N/A	50	75
	J1043AA	0	0	0	0	N/A	0	0
	J1045AA	0	0	0	0	N/A	0	0
	J1046AA	0	0	0	0	N/A	0	0
	J1047AA	775	775	1,155	1,155	N/A	775	1,155
	J1047AB	55	55	83	83	N/A	55	83
	J1048AA	0	0	0	0	N/A	0	0
	J1050AA	1,250	1,250	1,875	1,875	N/A	1,250	1,875
	J1050AB	99	99	149	149	N/A	99	149
	J1051AA	0	0	0	0	N/A	0	0
	J1052AA	0	0	0	0	N/A	0	0
	J1053AA	795	795	1,595	1,595	N/A	795	1,595
	J1053AB	925	925	1,875	1,875	N/A	925	1,875
	J1054AA	0	0	0	0	N/A	0	0
Networking and Communications								
SNA Connectivity Products	J2226A	0	0	240	240	461	0	240
	J2227A	0	0	167	167	186	0	167
	J2228A	0	0	159	159	N/A	0	159
	J2229A	0	0	225	225	186	0	225
	J2230A	0	0	220	220	N/A	0	220
Local Area Links	25567B	0	0	0	0	274	0	0
	A2544A	30	62	30	62	354	175	175
	A2545A	30	62	30	62	354	175	175
	J2165A	0	0	0	0	461	0	0
Services	J2140A	0	0	105	105	N/A	0	105

* Support pricing not available at the time of publication. Check CPL.

Model Number	Product Number	0S0 ND/LTU	0S1 SD/LTU	0S2 ND/Tel	0S3 SD/Tel	0S4 Install	0S5 4x7/LT	0S6 24x7/Tel
Wide Area Links	A4015A	*	*	*	*	*	*	*
	J2159A	27	52	27	52	371	85	85
ISDN Products	J2104A	24	48	221	245	276	64	261
	J2105A	96	96	192	192	N/A	96	192
	J2108A	*	*	*	*	*	*	*
	J2109A	*	*	*	*	*	*	*
OSI Products	J2160A	0	0	240	240	N/A	0	240
	J2161A	0	0	240	240	N/A	0	240
	J2162A	0	0	240	240	N/A	0	240
	J2163A	0	0	180	180	N/A	0	180
	J2232A	0	0	0	0	N/A	0	0
Graphics	B2156A	200	200	300	300	N/A	200	300
	B2363C	0	0	240	240	N/A	0	240
	B2363D	0	0	240	240	N/A	0	240
	B2364C	0	0	75	75	N/A	0	75
	B2364D	0	0	75	75	N/A	0	75
	B2930A	0	0	240	240	N/A	0	240
	B2931A	0	0	150	150	N/A	0	150
	B3176A	0	0	520	520	N/A	0	520
	B3177A	0	0	115	115	N/A	0	115
Migration Tools	B2681A	0	0	115	115	N/A	0	115
	B2895A	0	0	115	115	N/A	0	115
HP-RT Products	B3127A	105	105	105	105	N/A	105	105
	B3138A	800	800	1,200	1,200	N/A	800	800
	B3208AA	*	*	*	*	*	*	*
	B3279AA	*	*	*	*	*	*	*
	B3800AA	*	*	*	*	*	*	*
	B3803AA	*	*	*	*	*	*	*
	B3805AA	*	*	*	*	*	*	*
	B3806AA	*	*	*	*	*	*	*
	B3808AA	*	*	*	*	*	*	*
	B3809AA	*	*	*	*	*	*	*
Miscellaneous	B1504A	0	0	75	75	N/A	0	75
	E2071I	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	E2085C	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	E2091B	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	E2101B	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	E2111B	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	E2116B	N/A	N/A	N/A	N/A	N/A	N/A	N/A

* Support pricing not available at the time of publication. Check CPL.

Appendix A:
HP 9000 Series 700 Instant Ignition and Preloaded Software Configuration Guide

Audience and Purpose

This document is intended for HP customers, HP systems engineers, HP sales representatives, HP Certified Workstation Resellers, and others who need to configure HP 9000 Series 700 workstations with preloaded and preconfigured software. This document explains in detail the following:

- Overview of the Instant Ignition product family — Page A- 2
- Functionality in Desktop and Run-time HP-UX Instant Ignition — Page A- 4
- Ordering information for Instant Ignition workstations — Page A- 6
- How Instant Ignition configures 260 MB disks — Page A- 8
- How Instant Ignition configures 525 MB and larger disks — Page A- 10
- Information on preloaded layered software products — Page A- 13
- Filesets in Desktop HP-UX Instant Ignition — Page A- 17
- Filesets in Run-time HP-UX Instant Ignition — Page A- 18
- Instant Ignition's automatic swap space configuration — Page A- 19

This guide covers the HP-UX 9.05 release.

Introduction

The HP Instant Ignition product family preloads and preconfigures the HP-UX operating system on HP 9000 Series 700 workstations. It saves customers considerable time and money because they no longer have to do the installation from scratch. Instant Ignition customizes Series 700 workstations for different local languages, including English, Japanese, Korean, German, French, Italian, and Spanish. The Instant Ignition products provide options for HP-UX version, CD-ROM recovery media, and swap space.

Series 700 workstations with Instant Ignition may be ordered with certain layered software products preloaded and preconfigured. These preloadable software products are identified by the presence of the option 0D1, Factory Integration. As with the HP-UX operating system, considerable time and money is saved by ordering layered software products preloaded and preconfigured.

Instant Ignition comes in two flavors:

- Desktop HP-UX Instant Ignition
- Run-time HP-UX Instant Ignition

Desktop HP-UX is designed for standalone client systems running commercial applications. English and European versions of Desktop HP-UX fit comfortably on disk drives as small as 260 MB. It includes the basic HP-UX command set, the full X-Window environment, HP Visual User Environment (VUE), and the full set of ARPA/Berkeley and NFS networking utilities. Desktop HP-UX is a subset of HP-UX Run-time. The filesets contained in Desktop HP-UX Instant Ignition are listed in "Desktop HP-UX Filesets" on Page A- 17.

HP-UX Run-time is the full HP-UX environment. It includes all of Desktop HP-UX plus the Starbase Run-time environment, the full suite of UUCP utilities, man pages, and a number of other features. HP-UX Run-time should be used in software development environments, or where any technical or CAD application is being employed. In addition, any system used as a server should have HP-UX Run-time loaded on it. The filesets contained in HP-UX Run-time are listed in "Run-time HP-UX Filesets" on Page A- 18.

Instant Ignition Products

The Instant Ignition product family consists of seven Desktop HP-UX and seven HP-UX Run-time products in different language versions. Table 1 shows the different product numbers for each of the different versions.

TABLE 1. Instant Ignition Product Family

Language	Desktop HP-UX Instant Ignition Product Number	HP-UX Run-Time Instant Ignition Product Number
English	B3530AA	B2910A
Japanese	B3530AJ	B2911A
German	B3530AD	B2912A
French	B3530AF	B3485A
Spanish	B3530AE	B3531AE
Italian	B3530AZ	B3531AZ
Korean	B3530AV	B3531AV

The Desktop HP-UX Instant Ignition products preload and preconfigure the different language versions of Desktop HP-UX. The HP-UX Run-time Instant Ignition product numbers preload and preconfigure the different language versions of the full HP-UX Run-time product.

Note that when an HP Series 700 workstation is purchased with Desktop HP-UX Instant Ignition, the user has a license to run the full HP-UX Run-time product if additional disk space is obtained later.

See "Functionality in Desktop HP-UX and HP-UX Run-Time" on Page A- 4 for information on the contents of each of the different configurations.

Instant Ignition Options

Each of the Instant Ignition products listed in Table 1 has a number of options available that cover HP-UX version, CD-ROM recovery media and swap space. The options for each Instant Ignition product are shown in Table 2. Table 3 contains an explanation of each of the options.

TABLE 2. Instant Ignition Product Options

Option Number	Description	U.S List Price
#APH	HP-UX Version 9.0	$125
#AJA	CD-ROM Recovery Media with precomputed codeword based on hardware ID (no HP-HIL ID module)	$520
#AAB	CD-ROM Recovery Media with HP-HIL ID module and precomputed codeword (not valid with Model 712)	$520
#ATB	100 MB swap space on first disk (not valid with 260 MB disk)	N/C
#ATC	200 MB swap space on first disk (not valid with 260 MB disk)	N/C
#ATD	500 MB swap space on first disk (not valid with 260 MB or 525 MB disks)	N/C
#ATE	100 MB swap space on second disk (valid only with 2-disk systems)	N/C
#ATF	200 MB swap space on second disk (valid only with 2-disk systems)	N/C
#ATG	500 MB swap space on second disk (valid only with 2-disk systems where the second disk is 1 gigabyte or larger)	N/C

TABLE 3. Explanation of Instant Ignition Options

Option	What it does	What it includes	What you need to know
#APH	Preloads either Desktop HP-UX or HP-UX Run-time 9.05	Preloading of HP-UX operating system version 9.05	Must specify a version option. 9.05 is presently the only version available.
#AJA	Provides CD-ROM recovery media without HP-HIL ID module	HP-UX CD kit with Install CD, OS CD, Application CD and support CD; precomputed codeword that unlocks all preloaded software products. Codeword is based on workstation hardware ID.	This is the same CD kit as in product number B2826B. If CD-ROM recovery media is desired for Model 712, order this option.
#AAB	Provides CD-ROM recovery media with HP-HIL ID module	HP-UX CD kit with Install CD, OS CD, Application CD and support CD; precomputed codeword that unlocks all preloaded software products. Codeword is based on HP-HIL ID module	This is the same CD kit as in product number B2826B. *Do not order this option in combination with a Model 712.* The 712 does not have an HP-HIL port.
#ATB	Configures 100 MB of device swap on first disk	Configuration of 100 MB device swap on first disk drive	Valid for all systems with 525 MByte or larger disks. Not valid in combination with 260 MB disk drive.
#ATC	Configures 200 MB of swap space on first disk	Configuration of 200 MB device swap space on first disk drive	Valid for all systems with 525 MByte or larger disks. Not valid in combination with 260 MB disk drive.
#ATD	Configures 500 MB of swap space on first disk	Configuration of 500 MB device swap space on first disk drive	Only valid for 1 gigabyte or larger disk drives
#ATE	Configures 100 MB of device swap on second disk	Configuration of 100 MB device swap space on second disk drive	Only valid for two-disk systems.
#ATF	Configures 200 MB of device swap on second disk	Configuration of 200 MB device swap space on second disk drive	Only valid for two-disk systems.
#ATG	Configures 500 MB of swap space on second disk	Configuration of 500 MB device swap space on second disk drive	Only valid for two-disk systems where the second disk is 1 gigabyte or larger

Functionality in Desktop HP-UX and HP-UX Run-Time

Desktop HP-UX Instant Ignition

Desktop HP-UX is designed to run X-Window applications primarily in commercial client environments. The primary benefits of Desktop HP-UX Instant Ignition are:

- Contains the right functionality for commercial desktop applications
- Saves considerable disk space for commercial users
- Can be ordered in combination with the inexpensive Model 712 with a 260 MByte disk

Desktop HP-UX Instant Ignition contains the following functionality:

- 2-User HP-UX license
- Full suite of TCP/IP networking with ARPA and NFS services
- Text editors (*vi*, *ex*, etc.)
- Full X11R4 and X11R5 runtime environments including fonts (fonts are removed automatically if a font server is specified during the bootup process, saving 10 MBytes of disk space)
- Full HP Visual User Environment
- Spelling checker
- Network License Server runtime
- Audio support
- Appropriate message catalogs and appropriate NLIO for the Asian languages
- Kernighan and Ritchie C compiler (for kernel building only - include files are not in Desktop HP-UX)

Run-time HP-UX Instant Ignition

HP-UX Run-time Instant Ignition contains all the features of Desktop HP-UX plus the following extra features. Run-time HP-UX is *required* for any systems running 3D applications, acting in multiuser or server configurations, running software development applications or performing serial communications. It is recommended for any Series 700 workstations being used in technical applications.

Note that a number of layered software products require the full HP-UX Run-time and will not run properly on Desktop HP-UX. See "Preloaded Layered Software Products" on Page A- 13 for a list of these products.

Run-time HP-UX Instant Ignition contains the following functionality:

- Accounting
- Auditing
- Manual pages
- Starbase runtime environment
- Disk quotas
- Keyshell
- Netinstall (ability to act as a server to install the HP-UX operating system over the network)
- Text processing utilities (*nroff*, etc.)
- Serial Line Internet Protocol (SLIP)
- Diskless server capability (*rbootd*)

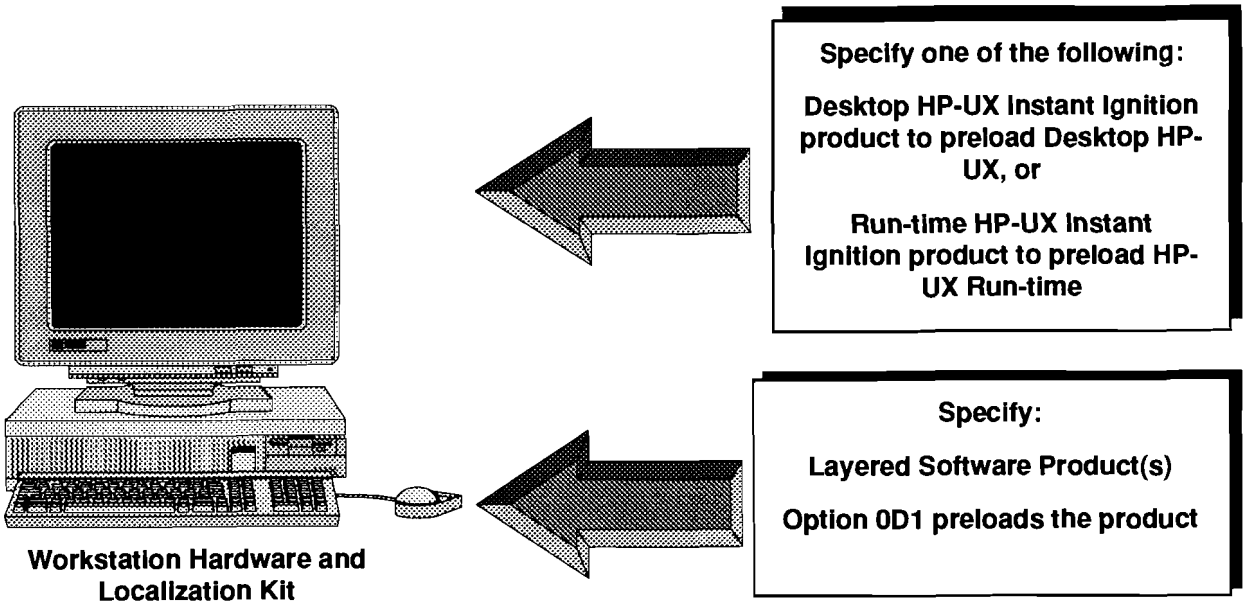
- C language *include* files

"Desktop HP-UX Filesets" on Page A- 17 contains a list of the filesets in Desktop HP-UX Instant Ignition. "Run-time HP-UX Filesets" on Page A- 18 contains a list of the filesets in HP-UX Run-time Instant Ignition.

Ordering Instant Ignition

Ordering the Instant Ignition products involves specifying the following:

- Workstation hardware
- Localization kit
- Instant Ignition
- Preloaded software product(s)



Following are the steps necessary to properly order Instant Ignition.

1. **Choose workstation hardware.**

   The Instant Ignition products may be ordered with any Series 700 that has an internal disk drive.

2. **Choose Desktop HP-UX Instant Ignition or Run-time HP-UX Instant Ignition.**

   Desktop HP-UX Instant Ignition is recommended for commercial client workstations that run, but do not develop, X-Window applications.

Desktop HP-UX Instant Ignition is the only type of Instant Ignition that may be ordered with a Model 712 workstation that has a 260 MByte disk drive.

Note that when one of the Desktop Instant Ignition products is purchased, the customer has the right-to-use the full Run-time HP-UX if sufficient disk space is available.

Run-time HP-UX Instant Ignition is required for any Series 700 that runs software development applications, Starbase-based graphical applications or acts as a multiuser system. It is recommended for any Series 700 that will be used as a network or compute server or that will run a technical application.

3. **Choose localized version of Instant Ignition.**

   Localized versions of both Desktop and Run-time Instant Ignition are available for a number of languages. See Table 1 on page A- 2 for a list of the languages and their corresponding product numbers.

4. **Choose version option.**

   Option #APH, which preloads HP-UX 9.05, is the only version available today.

5. **Choose backup media.**

   At least one CD-ROM kit is recommended per workgroup of workstations.

   Option AAB provides an HP-UX CD-ROM kit with a precomputed codeword and HP-HIL ID module. Option AAB may not be ordered with a Model 712 because the Model 712 does not have an HP-HIL keyboard and mouse.

   Codewords provided with the option AAB will not work on a Model 712. Option AJA provides an HP-UX CD-ROM kit with precomputed codeword based on a workstation hardware ID number. If a CD-ROM kit is ordered with a Model 712, order the option AJA.

6. **Choose a swap space option.**

   One of option ATB, ATC, or ATD may be chosen for any system except a Model 712 equipped with a 260 MB disk. Only one of ATE, ATF, or ATG may be chosen for a two-disk system.

   Swap space options ATB-ATG may not be ordered with a Model 712 with a 260 MB disk drive since the 260 MB disk has a specific swap configuration. See"How Desktop HP-UX Instant Ignition Configures 260 MB Disks" on Page A- 8 for more information on this.

   For workstations with 525 MB and larger disks, a swap space option may be ordered but is not required. If a swap space option is not ordered, the swap space will be automatically calculated. See "Instant Ignition Automatic Swap Space Calculation" on Page A- 19 for detailed information on how this calculation is performed.

Table 4 is a matrix that shows valid combinations of Desktop, Run-time, preloaded layered software products, and swap space with the different disk drive sizes.

TABLE 4. Compatibility Matrix for Disks, Instant Ignition, and Options

Disk Size	Desktop HP-UX	Run-time HP-UX	Swap Space Options	Preloaded Layered software
260 MB	Valid, except Japanese and Korean HP-UX	Not Valid	Not Valid	Not Valid
525 MB and larger	Valid	Valid	Valid	Valid

7. **Choose layered software product(s) to be preloaded.**

   A software product is preloadable if it has an option 0D1, Factory Integration. No preloaded layered software products may be ordered with a Model 712 with a 260 MB disk.

8. **Put the workstation, Instant Ignition, and layered products on the same item and on the same order section.**

   Table 5 is an example order.

TABLE 5. Example Order for Workstation plus Instant Ignition

Item Number	Description
0100	Workstation Hardware
0101	Localization Kit
0102	Instant Ignition
0103	Preloaded Software Product

It is critical that the Localization Kit, Instant Ignition, the preloaded software products be quoted and ordered as *subitems* of the workstation. If they are not ordered this way, then the system cannot be built.

How Desktop HP-UX Instant Ignition Configures 260 MByte Disks

Desktop HP-UX comes in two different disk configurations:

- 260 MByte disk configuration
- 525 MByte and larger disk configurations

The configuration for 525 MByte and larger disks in covered in "Desktop and Run-time HP-UX Instant Ignition on 525 MB and Larger Disks" on Page A- 10.

260 MByte Disk Configuration

When Desktop HP-UX Instant Ignition is ordered with a Series 700 workstation and a 260 MByte disk, how it configures the disk depends on whether the system is configured with English-language Instant Ignition or one of the European languages.

The disk usage profiles for English and European languages are different, but all involve the same size operating system, 32 MBytes of device (fixed) swap space, 24 MBytes of filesystem (dynamic) swap space, and 10% min free. *Note that these swap space numbers are fixed for the 260 MByte disk and cannot be varied.*

Due to the fact that the Japanese and Korean versions of Desktop HP-UX take up much more disk space than either the English or European Desktop HP-UX Instant Ignition products, they are not supported on 260 MB disk drives. The Japanese and Korean Desktop HP-UX Instant Ignition products may be ordered only with 525 MB or larger disks. See "Desktop and Run-time HP-UX Instant Ignition on 525 MB and Larger Disks" on Page A- 10 for more information.

English and European Desktop HP-UX Instant Ignition

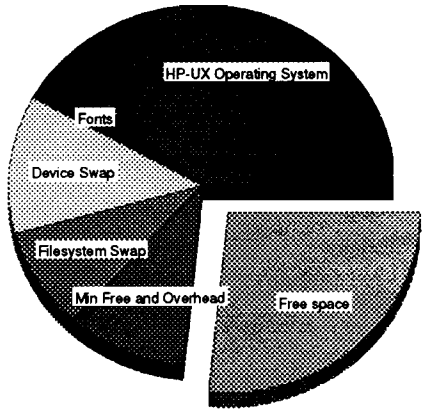
Table 6 shows the disk space usage for English and European Desktop HP-UX on 260 MB disks.

TABLE 6. English and European Desktop HP-UX Instant Ignition Disk Usage on 260 MB Disks

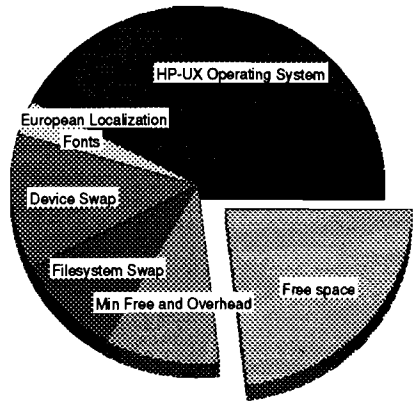
Item	English System Disk Space Usage	European System Disk Space Usage
Desktop HP-UX Operating System	101 MB	101 MB
Fonts	8 MB	8 MB
European (Italian, German, or Spanish) message catalogs	None	9 MB
Device (fixed) swap	32 MB	32 MB
Filesystem (dynamic) swap	24 MB	24 MB
10% Min free and overhead	26 MB	26 MB
Free space for applications	**69 MB**	**60 MB**
Total disk size	260 MB	260 MB

Figure 1 shows a graphical representation of both English and European Desktop Instant Ignition's disk space usage.

FIGURE 1. English and European Desktop HP-UX Disk Usage on 260 MB disks



English Desktop HP-UX Disk Usage



European Desktop HP-UX Disk Usage

Note that upon bootup, all the Instant Ignition products ask whether the workstation will use a network font server or if it will keep the fonts local. If the user has a font server configured, the system automatically deletes the 8 MBytes of fonts and increases the free space to about 78 MBytes.

Desktop and Run-time HP-UX Instant Ignition on 525 MB and Larger Disks

The main differences between how Desktop HP-UX Instant Ignition configures 260 MB disks and how it configures 525 MB and larger disks are:

- Swap space may be specified on the larger disk drives
- More free space for user applications and data

Run-time HP-UX Instant Ignition is only available on 525 MB and larger disk drives. The technique for figuring free disk space on an Instant Ignition system is the same for Desktop and Run-time HP-UX except that the size of the operating system itself differs between the two.

Table 7 shows the size of Desktop and Run-time HP-UX for the different language versions.

TABLE 7. Sizes of Desktop HP-UX and Run-time HP-UX

Language	Desktop HP-UX Size (MB)	Run-time HP-UX Size (MB)
English	110	155
European (German, French, Italian, and Spanish)	118	164
Asian (Japanese and Korean)	190	235

To calculate the amount of free space left on a disk after adding HP-UX and swap space, you need to know the following:

- Formatted disk size
- Device swap space option
- I-nodes and other filesystem overhead
- 10% minimum free space (min free)
- Size of HP-UX from Table 7

Formatted Disk Size

525 MB, 1 gigabyte, and 2 gigabyte internal disk drives are presently available with HP Series 700 workstations. These numbers refer to the raw formatted capacity.

Device Swap Space Options

There are presently six device (fixed) swap space options available with Desktop HP-UX Instant Ignition:

- 100 MBytes on the first disk (Option ATB)
- 200 MBytes on the first disk (Option ATC)
- 500 MBytes on the first disk (Option ATD)
- 100 MBytes on the second disk (Option ATE)
- 200 MBytes on the second disk (Option ATF)
- 500 MBytes on the second disk (Option ATG)

If no swap space option is ordered, HP calculates the swap space based on:

- The amount of RAM ordered with the workstation
- Any special swap space requirements for preloaded applications.

See "Instant Ignition Automatic Swap Space Calculation" on Page A- 19 for a detailed explanation of how this calculation is done.

I-nodes and Other Filesystem Overhead

I-nodes and other filesystem overhead occupy approximately 3% of free disk space.

Free disk space is determined by the following calculation:

Free disk space = Raw formatted capacity - Device swap space (EQ 1)

For example, for a 525 MB disk with 100 MB of swap space:

Free disk space = 525 -100 = 425 MB (EQ 2)

I-nodes and other overhead occupy about 3% of that free space:

I-nodes and overhead = 0.03 * 425 MB = 13 MB (EQ 3)

Minimum Free Space

Minimum free space, popularly known as "min free", is the minimum percentage of free disk space set aside for system usage. When the filesystem capacity reaches this threshold, only the root user is allowed to allocate disk blocks.

On Instant Ignition systems min free is preconfigured to 10% of what is left after device swap, i-nodes, and other overhead are configured. 10% is the default value for HP-UX min free and is the generally recognized value for optimum system performance.

Min free is 10% of the space left after subtracting out device swap and filesystem overhead:

Min free = 0.10 *(raw formatted capacity - device swap - filesystem overhead) (EQ 4)

For example, on a 525 MB disk with 100 MB of swap space, 10% min free is:

0.10 *(525 MB - 100 MB -13 MB) =42 MB (EQ 5)

Free Space for Applications

Equation 6 shows how to calculate free space left for applications.

Application free space = Raw formatted capacity - swap space - filesystem overhead - min free - size of HP-UX from Table 7 (EQ 6)

Example: Desktop HP-UX on 525 MB Disk

Using a 525 MB disk as an example, we will find the free space for a Desktop HP-UX Instant Ignition system with 100 MB swap space using Equation 6. This example is for an English system.

Application free space = 525 - 100 -13 -42 -110 = 260 MB (EQ 7)

This free space is available for applications and customer data. Use this free space number as the room available for preloaded applications.

Examples of Run-time HP-UX on 525 MB and Larger Disks

These examples are for an English system and use 155 MBytes for the size of Run-time HP-UX. European and Asian systems will of course have less free space than in these examples because they are larger. These examples use Equation 6.

Example 1: 525 MB disk with 100 MB swap space:

Application free space = 525 - 100 - 13 - 42 -155 = 215 MB **(EQ 8)**

Example 2: 1 GB disk with 200 MB swap space:

Application free space = 1000 - 200 - 30 - 77 -155 = 538 MB **(EQ 9)**

Example 3: 2 GB disk with 500 MB swap space

Application free space = 2000 -500 - 60 - 144 - 155 = 1141 MB **(EQ 10)**

Note on Two-Disk Systems

When loaded on two-disk systems, both Desktop and Run-time HP-UX Instant Ignition put the */usr* filesystem on the second disk drive. Table 8 shows the size of the */usr* filesystems on Desktop and Run-time HP-UX.

Therefore, on a two-disk system, the operating system uses 66 MB on an English Desktop HP-UX system and 117 MB on an English Run-time HP-UX system. The values for the size of */usr* on European and Asian systems are proportionately larger.

TABLE 8. Size of */usr* filesystem on Desktop and Run-time HP-UX (English system)

Desktop HP-UX */usr* filesystem	66 MB
Run-time HP-UX */usr* filesystem	117 MB

Preloaded Layered Software Products

Products that can be preloaded and preconfigured with Instant Ignition are identified by the presence of an option 0D1. When the layered software product is ordered in combination a Series 700, Instant Ignition and option 0D1, then it is automatically preloaded on the workstation.

This section covers the following areas:

- List of applications preloadable on Desktop and Run-time HP-UX Instant Ignition
- List of the configured sizes in MBytes of each of the applications

Applications on Desktop and Run-time HP-UX

Table 9 shows applications that may be ordered preloaded on both Desktop HP-UX Instant Ignition and Run-time HP-UX Instant Ignition. Note that other applications will be added over time.

TABLE 9. Applications Preloadable with Desktop and Run-time HP-UX Instant Ignition

Product Number	Description
B1194A	MPower Client
B3233AA	RTW Basic Client
A4011A or Model 712 option AL4	HP Token Ring/9000
A4015A or Model 712 option UGC	X.25 for Model 712

Applications for Run-time HP-UX

Table 10 shows applications that may be preloaded with Run-time HP-UX.

TABLE 10. Applications Preloadable with Run-time HP-UX

Product Number	Description
B1194A	MPower Client
B3233AA	RTW Basic Client
B1195A	MPower Server
B2353A	HP-UX 8-user Run-time
B2354A	C/ANSI C Developer's Bundle
B2356A	HP-UX Developers Toolkit
B2357A	General Programming Tools
B2413A	C/ANSI C Compiler
B2408A	Fortran Compiler
B2414A	Pascal Compiler
B3550AA	Programmer's Toolset
B2156C	PowerShade
B3150A	32-User HP-UX
B3176A	HP-PEX Developers Kit
B3177A	HP-PEX Run-time Libraries
B3146A	Allbase Runtime
B3147A	Allbase Developers Kit
B3197A	Japanese Allbase Run-time

TABLE 10. Applications Preloadable with Run-time HP-UX

Product Number	Description
B3198A	Japanese Allbase Developers Kit
B3236A	RTW Basic Server
B3239AA	RTW Integration Toolkit
B2403AA	HP C++ Compiler
A2556A/A2654A or Models 735/755 option 009	FDDI
A4011A or Model 712 option AL4	Token Ring for Model 712
A4015A or Model 712 option UGC	X.25 for Model 712

This list will be expanded over time.

Sizes of Preloadable HP Software Applications

Table 11 shows the configured sizes in MBytes for each of the preloadable HP applications. This information should be used in combination with the HP-UX size information in "Desktop and Run-time HP-UX Instant Ignition on 525 MB and Larger Disks" on Page A- 10 when configuring systems.

The column labeled "Total Disk Usage" should be used when configuring a single-disk system. The columns "Root Filesystem Usage" and "*/usr* Filesystem Usage" provide the space that each application occupies on the first and second disks of a two-disk system, respectively. The root, or / filesystem is on the first disk and the */usr* filesystem is on the second disk.

It is advisable when configuring a preloaded Series 700 workstation to leave at least 50 MB of free space on the system.

TABLE 11. Sizes of Preloadable HP Software Products

Product	Description	Total Disk Usage (MBytes)	Root Filesystem Usage (MBytes)	*/usr* filesystem usage (MBytes)
B1194A	MPower Client	19	2	18
B3233AA	RTW Basic Client	5	1	4
B1195A	MPower Server	26	1	25
B2353A	HP-UX 8-user Run-time	0.11	0.1	0.01
B2354A	C/ANSI C Developer's Bundle	42	5	37
B2356A	HP-UX Developers Toolkit	34	3	31
B2357A	General Programming Tools	5	2	3

TABLE 11. Sizes of Preloadable HP Software Products

Product	Description	Total Disk Usage (MBytes)	Root Filesystem Usage (MBytes)	*/usr* filesystem usage (MBytes)
B2413A	C/ANSI C Compiler	9	2	7
B2408A	Fortran Compiler	15	1	14
B2414A	Pascal Compiler	5	1	4
B3550AA	Programmer's Toolset	6	1	5
B2156C	PowerShade	7	1	6
B3150A	32-User HP-UX	0.1	0.1	0
B3176A	HP-PEX Developers Kit	18	2	16
B3177A	HP-PEX Run-time Libraries	11	2	9
B3146A	Allbase Runtime	25	1	24
B3147A	Allbase Developers Kit	31	1	30
B3197A	Japanese Allbase Run-time	25	1	24
B3198A	Japanese Allbase Developers Kit	31	1	30
B3236A	RTW Basic Server	31	22	8
B3239AA	RTW Integration Toolkit	1	0.7	0.3
B2403AA	C++ Compiler	15	1	14
A2556A/A2654A or Model 735/755 option 009	FDDI	2	1.5	0.5
A4011A or Model 712 option AL4	Token Ring for Model 712	2	2	0
A4015A or Model 712 option UGC	X.25 for Model 712	5	4	1

Desktop HP-UX Filesets

02-USER
AGRM
ARPA-RUN
AUDIO
BMS
BSDIPC-SOCKET
C-MIN
CMDS-AUX
CMDS-MIN
CORE-SHLIBS
DOS-UTILS
EDITORS
HPUX-HELP
IGNITION
IGNITION-HELP
IMAGING-RUN
IMAGING-SHLIBS
KERN-BLD
LAN
LP-SPOOL
LSSERVER-ADMIN
LSSERVER-RUN
MAILERS
MKFONTDIR
NCSNCK-RUN
NET
NETINET
NETTRACELOG
NFS-RUN
NLS-CORE
SAM
SPELL
SYS-ADMIN
TOOL
UX-CORE
X11-FONTA
X11-FONTB
X11-FONTC
X11-RUN
X11-RUN-HELP
X11-SERV
X11R4-SHLIBS
X11R5-SHLIBS
AMERICAN
ARABIC
ARABICW
BULGARIAN
CFRENCH
CHINESES
CHINESET
CZECH
DANISH
DUTCH
ENGLISH
FINNISH
FRENCH
GERMAN
GREEK
HEBREW
HUNGARIAN
ICELANDIC
ITALIAN
JAPANESE
KATAKANA
KOREAN
NLS-CORE
NORWEGIAN
POLISH
PORTUGUES
RUMANIAN
RUSSIAN
SERBOCROATIAN
SLOVENE
SPANISH
SWEDISH
THAI
TURKISH

Run-time HP-UX Filesets

02-USER	GERMAN	NLS-CORE	X11-FONTB
ACCOUNTNG	GREEK	NLS-CORE	X11-FONTC
AGRM	HEBREW	NONHPTERM	X11-FONTC
AMERICAN	HPUX-HELP	NORWEGIAN	X11-FONTSRV
ARABIC	HPUX-HELP	POLISH	X11-RUN
ARABICW	HUNGARIAN	PORTUGUES	X11-RUN-HELP
ARPA-AUX	ICELANDIC	RBOOTD	X11-RUN-HELP
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Instant Ignition Automatic Swap Space Calculation

When an HP 9000 Series 700 is ordered with Instant Ignition and no swap space option is specified, a swap space value is automatically calculated. This appendix explains how that calculation is performed. Note that when a swap space option is ordered, such as ATB for 100 MBytes swap space, it overrides these calculations.

The automatic swap space calculation takes into account the following quantities:

- Amount of system memory
- Operating system and applications to be preloaded

The calculation occurs as follows. The default HP-UX swap space value is 75 MB.

1. **System memory quantity is determined.**
2. **System memory quantity is doubled for systems having 16 MBytes of RAM or less, and works linearly down to 1.5 times system RAM for systems having 192 MB or more of RAM.**
3. **Swap is set to the total in step 2; or,**
4. **If the quantity (1.5-2.0 x System RAM) is less than the HP-UX default swap space value, swap space is set to the default HP-UX swap space value. The default HP-UX swap space is 75 MB.**
5. **If any preloaded applications specify extraordinary swap space requirements, that swap is added to the swap space calculated in Steps 2 or 4.**

Example Calculations

Series 700 with 32 MB RAM

A Series 700 workstation has 32 MB RAM, Instant Ignition, and the C/ANSI C Developers Bundle pre-loaded. First system memory quantity is determined (32 MB). Next that quantity is multiplied by two:

$$(2 * \text{System Memory}) = (2*32\ \text{MB}) = 64\ \text{MB} \qquad \textbf{(EQ 1)}$$

The swap space requirement for the C/ANSI C Developer's Bundle is zero. This is added to the 64 MB in Equation 1. The total is 64 MB. Since 64 MB is smaller than the HP-UX default of 75 MB, 75 MB is the amount configured.

Series 700 with 256 MB RAM

A Series 700 workstation has 256 MB RAM. Since 256 MB is larger than 192 MB, 1.5 x system RAM is used:

$$(256\ \text{MB} * 1.5) = 384\ \text{MB} \qquad \textbf{(EQ 2)}$$

Since 384 MB is considerably larger than the system default of 75 MB, 384 MB is configured.

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