
HP 9000 Series 700
Configuration Guide
International Version
Volume 2

Effective: May 1994

S o f t w a r e

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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 #
☐ 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
<i>Note: all HP-UX Desktop Instant Ignition products feature the option structure listed below.</i> <i>Please refer to this structure when ordering any localized Instant Ignition Product.</i> <u>Required: specify HP-UX Release</u>	
☐ HP-UX 9.0 Version	APH
☐ Recovery media on CD-ROM. Includes HP-HIL ID module and codeword based on module	AAB
☐ Recovery media on CD-ROM. Includes codeword based on workstation hardware ID (for Model 712)	AJA
<u>Optional: Select ONE only</u>	
☐ 100 MB swap space on first disk drive	ATB
☐ 200 MB swap space on first disk drive	ATC
☐ 500 MB swap space on first disk drive	ATD
<u>Optional: Select ONE only</u>	
☐ 100 MB swap space on second disk drive	ATE
☐ 200 MB swap space on second disk drive	ATF
☐ 500 MB swap space on second disk drive	ATG

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
<i>Note: all HP-UX Run-Time Instant Ignition products feature the option structure listed below.</i> <i>Please refer to this structure when ordering any localized Instant Ignition Product.</i> <u>Required: specify HP-UX Release</u>	
☐ HP-UX 9.0 Version	APH
☐ Recovery media on CD-ROM. Includes HP-HIL ID module and codeword based on module	AAB
☐ Recovery media on CD-ROM. Includes codeword based on workstation hardware ID (for Model 712)	AJA
<u>Optional: Select ONE only</u>	
☐ 100 MB swap space on first disk drive	ATB
☐ 200 MB swap space on first disk drive	ATC
☐ 500 MB swap space on first disk drive	ATD
<u>Optional: Select ONE only</u>	
☐ 100 MB swap space on second disk drive	ATE
☐ 200 MB swap space on second disk drive	ATF
☐ 500 MB swap space on second disk drive	ATG

HP-UX MEDIA

[] HP-UX 9.0 software on CD-ROM Media Includes HP-UX operating system and all HP workstation application software. [] CD Media Set. Includes ID module and precomputed code word. [] CD Disc Set (CD-ROM Discs only).	Product # B2826B AAB AAF
[] HP-UX 8.07 software on CD-ROM Media Includes HP-UX operating system and all HP workstation application software. [] CD Media Set. Includes ID module and precomputed code word. [] CD Disc Set (CD-ROM Discs only).	B2826A AAB AAF
[] HP-UX software on DDS Media <i>Note: must specify one media and one version option.</i> [] Provides software on DDS (4mm DAT) tape. <u>Required: specify HP-UX Release</u> [] HP-UX 9.0 version. [] HP-UX 8.07 version.	B2352A AAH APH APF

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

HP-UX Localized Run-Time Environment

		Product #
[] Japanese HP-UX Run-Time Environment, 2 user		B2387A
<i>Required: Select ONE</i>		
☐ Provides software on DDS (4mm DAT) tape.		AAH
☐ CD-ROM Certificate only.		AAU
<i>Required: specify HP-UX Release</i>		
☐ HP-UX 9.0 version.		APH
☐ HP-UX 8.07 version.		APF
☐ Update to latest Japanese environment.		OHG
[] Japanese HP-UX Run-Time Environment, 8 user		B2487A
<i>Required: Select ONE</i>		
☐ Provides software on DDS (4mm DAT) tape.		AAH
☐ CD-ROM Certificate only.		AAU
<i>Required: specify HP-UX Release</i>		
☐ HP-UX 9.0 version.		APH
☐ HP-UX 8.07 version.		APF
[] Korean HP-UX Run-Time Environment, 2 user		B2395A
<i>Required: Select ONE</i>		
☐ Provides software on DDS (4mm DAT) tape.		AAH
☐ CD-ROM Certificate only.		AAU
<i>Required: specify HP-UX Release</i>		
☐ HP-UX 9.0 version.		APH
☐ HP-UX 8.05 version.		APE
[] German HP-UX Run-Time Environment, 2 user Includes localized general usage documentation.		B2396A
<i>Required: Select ONE</i>		
☐ Provides software on DDS (4mm DAT) tape.		AAH
☐ CD-ROM Certificate only.		AAU
<i>Required: specify HP-UX Release</i>		
☐ HP-UX 9.0 version.		APH
☐ HP-UX 8.05 version.		APE
[] French HP-UX Run-Time Environment, 2 user Includes localized general usage documentation.		B2397A
<i>Required: Select ONE</i>		
☐ Provides software on DDS (4mm DAT) tape.		AAH
☐ CD-ROM Certificate only.		AAU
<i>Required: specify HP-UX Release</i>		
☐ HP-UX 9.0 version.		APH
☐ HP-UX 8.05 version.		APE

[] Traditional Chinese HP-UX Run-Time Environment, 2 user <i>Required: Select ONE</i> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only. <i>Required: specify HP-UX Release</i> [] HP-UX 9.0 version. [] HP-UX 8.05 version.	Product # B2816A AAH AAU APH APE
[] NLIO Simplified Chinese <i>Required: Select ONE</i> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only. [] Hardcopy manuals.	B2213A AAH AAU 0BJ

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 [] Credit for HP-UX 9.0 upgrade from earlier versions.	B3814AA 0CC
[] Japanese HP-UX Run-Time Environment, 2 user [] HP-UX 9.0 Revision upgrade.	B2387A 0CC
[] Japanese HP-UX Run-Time Environment, 8 user [] HP-UX 9.0 Revision upgrade.	B2487A 0CC
[] Korean HP-UX Run-Time Environment, 2 user [] HP-UX 9.0 Revision upgrade.	B2395A 0CC
[] German HP-UX Run-Time Environment, 2 user [] HP-UX 9.0 Revision upgrade.	B2396A 0CC
[] French HP-UX Run-Time Environment, 2 user [] HP-UX 9.0 Revision upgrade.	B2397A 0CC
[] Traditional Chinese HP-UX Run-Time Environment, 2 user [] HP-UX 9.0 Revision upgrade.	B2816A 0CC

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

ENTERPRISE DESKTOP

The Enterprise Desktop brings together the power of a workstation with the applications availability of a PC, intuitive ease-of-use of a Mac, the security of a mainframe, and a price point targeted at mission critical desktop systems. The solutions in this section are key components for creating an Enterprise Desktop System.

Ready-to-Wear Desktop Builder Kit (RTW DBK)

The RTW Desktop Builder Kit provides tools to create enterprise desktop systems that are easy to use and deploy. The RTW Desktop Builder Kit minimizes the resources and expertise needed to customize the HP VUE environment, to integrate end-user applications, and to configure desktop system parameters.

	Product #
[] HP Ready-to-Wear (RTW) Client License Note: the RTW Client license is valid for HP 9000 Series 700, Series 700rx, and Series 800 platforms.	B3231AA
[] HP Ready-to-Wear (RTW) Server License, Price per Server Note: the RTW Server license is valid for HP 9000 Series 700, Series 700rx, and Series 800 platforms.	B3234AA
[] HP Ready-to-Wear (RTW) System Configuration documentation	B3235AA
[] HP Ready-to-Wear (RTW) Integration Toolkit License, Price per User Note: the RTW Integration Toolkit license is valid for HP 9000 Series 700, Series 700rx, and Series 800 platforms.	B3237AA
[] HP Ready-to-Wear (RTW) Integration Toolkit Media for Series 700 Includes documentation <i>Required: Select ONE</i> [] Provides software on DDS (4mm DAT) tape [] CD-ROM certificate only [] 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.	B3239AA AAH AAU 0D1

Localized RTW Product Information

End-User Documentation

[] HP Ready-to-Wear (RTW) End-User Documentation - English	B3232AA
[] HP Ready-to-Wear (RTW) End-User Documentation - German	B3232AD
[] HP Ready-to-Wear (RTW) End-User Documentation - French	B3232AF
[] HP Ready-to-Wear (RTW) End-User Documentation - Spanish	B3232AE
[] HP Ready-to-Wear (RTW) End-User Documentation - Italian	B3232AZ

Client Media

The product structure for Client Media is the same for all localized versions of RTW.

Refer to that general structure below and substitute top model numbers as indicated in the following chart:

Product #

- ☐ HP Ready-to-Wear (RTW) Client Media for Series 700 - English
- ☐ HP Ready-to-Wear (RTW) Client Media for Series 700 - German
- ☐ HP Ready-to-Wear (RTW) Client Media for Series 700 - French
- ☐ HP Ready-to-Wear (RTW) Client Media for Series 700 - Spanish
- ☐ HP Ready-to-Wear (RTW) Client Media for Series 700 - Italian

B3233AA
B3233AD
B3233AF
B3233AE
B3233AZ

Required: Select ONE

- ☐ Provides software on DDS (4mm DAT) tape
- ☐ CD-ROM certificate only

AAH
AAU

- ☐ Preload and pre configure software product with Instant Ignition.

0D1

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.

Server Media

The product structure for Server Media is the same for all localized versions of RTW.

Refer to that general structure below and substitute top model numbers as indicated in the following chart:

- ☐ HP Ready-to-Wear (RTW) Server Media for Series 700 - English
- ☐ HP Ready-to-Wear (RTW) Server Media for Series 700 - German
- ☐ HP Ready-to-Wear (RTW) Server Media for Series 700 - French
- ☐ HP Ready-to-Wear (RTW) Server Media for Series 700 - Spanish
- ☐ HP Ready-to-Wear (RTW) Server Media for Series 700 - Italian

B3236AA
B3236AD
B3236AF
B3236AE
B3236AZ

Required: Select ONE

- ☐ Provides software on DDS (4mm DAT) tape
- ☐ CD-ROM certificate only

AAH
AAU

- ☐ Preload and Preconfigure software product with Instant Ignition.

0D1

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.

Enterprise Desktop

Enterprise Desktop

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 Wabi 1.1

		Product #
☐	HP Wabi 1.1 License-To-Use	B3249AB
☐	HP Wabi 1.1 Series 700 Media <i>Note: requires previous or concurrent purchase of HP Wabi 1.1 License-To-Use, B3249AB</i> <u>Required: Select ONE</u> ☐ Provides software on DDS (4mm DAT) tape. ☐ CD-ROM Certificate only. <u>Required: specify HP-UX Release</u> ☐ HP-UX Revision 9.0	B3248AA AAH AAU APH
☐	HP Wabi 1.1 Series 700 Documentation	B3250AA

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.

PC Interoperability

12

[] HP LAN Manager for UNIX for HP 9000, Series 700/800, Version 2.2

Product #

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 Manager 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.
- [] CD-ROM Certificate only.

AAH
AAU

Required: Select ONE

- [] 8 Clients supported.
- [] 16 Clients supported.
- [] 32 Clients supported.
- [] 64 Clients supported.
- [] 128 Clients supported.
- [] 256 Clients supported.
- [] 1024 Clients supported.

UA3
UA5
UA7
UA9
UAB
UAD
UCR

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.
- [] Credit 16 User license.
- [] Credit 32 User license.
- [] Credit 64 User license.
- [] Credit 128 User license.
- [] Credit 256 User license.

UB3
UB5
UB7
UB9
UBA
UBV

Note: use following options when upgrading from an earlier version of LAN Manager.

- [] Credit for B1011X or B1003X, 8 client.
- [] Credit for B1011X or B1003X, 16 client.
- [] Credit for B1011X or B1003X, 32 client.
- [] Credit for B1011X or B1003X, 64 client.
- [] Credit for B1011X or B1003X, 128 client.
- [] Credit for B1011X or B1003X, 256 client.
- [] Credit for B1011X or B1003X, 512 client.
- [] Credit for B1011X or B1003X, 1,024 client.

021
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SOFTWARE DEVELOPMENT TOOLS

		Product #
[] 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
<u>Required: specify HP-UX Release</u>		
[] HP-UX 9.0 version.		APH
[] HP-UX 8.07 version.		APF
[] Preload and preconfigure software product with Instant Ignition. <i>Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.</i> <i>This product must appear in the same section of the order as HP-UX Instant Ignition.</i>		0D1
[] HP-UX Developer's Toolkit Includes General Programming Tools, X11R5 libraries, Motif libraries, Starbase programming libraries, and Starbase Display List libraries.		B2356A
<u>Required: Select ONE</u>		
[] Provides software on DDS (4mm DAT) tape.		AAH
[] CD-ROM Certificate only.		AAU
<u>Required: specify HP-UX Release</u>		
[] HP-UX 9.0 version.		APH
[] HP-UX 8.07 version.		APF
[] Preload and preconfigure software product with Instant Ignition. <i>Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.</i> <i>This product must appear in the same section of the order as HP-UX Instant Ignition.</i>		0D1
[] 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
<u>Required: Select ONE</u>		
[] Provides software on DDS (4mm DAT) tape.		AAH
[] CD-ROM Certificate only.		AAU
<u>Required: specify HP-UX Release</u>		
[] HP-UX 9.0 version.		APH
[] HP-UX 8.07 version.		APF
[] Preload and preconfigure software product with Instant Ignition. <i>Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.</i> <i>This product must appear in the same section of the order as HP-UX Instant Ignition.</i>		0D1
[] C/ANSI C Compiler Includes C compiler and XDB debugger.		B2413A
<u>Required: Select ONE</u>		
[] Provides software on DDS (4mm DAT) tape.		AAH
[] CD-ROM Certificate only.		AAU
<u>Required: specify HP-UX Release</u>		
[] HP-UX 9.0 version.		APH
[] HP-UX 8.07 version.		APF
[] Preload and preconfigure software product with Instant Ignition. <i>Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.</i> <i>This product must appear in the same section of the order as HP-UX Instant Ignition.</i>		0D1
[] Hardcopy manuals.		0BJ

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

HP Programmer's Toolset

	Product #
[] 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
[] HP Programmer's Toolset Media <i>Note: requires previous or concurrent purchase of License-To-Use, B3478AB</i> <u>Required: Select ONE</u> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only.	B3477AA AAH AAU
[] HP Programmer's Toolset Instant Ignition <i>Note: requires concurrent purchase of Run-Time HP-UX Instant Ignition.</i> <i>This product must appear in the same section of the order as HP-UX Instant Ignition.</i>	B3550AA
[] HP Programmer's Toolset Manuals	B3479AA
[] HP Apollo Pascal License-To-Use Includes Apollo Pascal compiler and DDE debugger.	B3514AB
[] HP Apollo Pascal Media and Manuals <i>Note: requires previous or concurrent purchase of HP Apollo Pascal License-To-Use, B3514AB</i> <u>Required: Select ONE</u> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only. <u>Required: specify HP-UX Release</u> [] HP-UX 9.0 version. [] Hardcopy manuals.	B3513AA AAH AAU APH 0BJ
[] COBOL/HP-UX (Micro Focus) Developer's Package Concurrent User License	B2430AB
[] COBOL/HP-UX (Micro Focus) Developer's Package Media <i>Note: requires previous or concurrent purchase of Micro Focus Developer's Package License-To-Use, B2430AB</i> <u>Required: Select ONE</u> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only. [] Hardcopy manuals.	B2430AA AAH AAU 0B1
[] COBOL/HP-UX (Micro Focus) Compiler Concurrent User License	B2431AB
COBOL/HP-UX (Micro Focus) Compiler Media <i>Note: requires previous or concurrent purchase of Micro Focus Compiler License-To-Use, B2431AB</i> <u>Required: Select ONE</u> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only. [] Hardcopy manuals.	B2431AA AAH AAU 0B1

[] COBOL/HP-UX (Micro Focus) Run-Time System Concurrent User License	Product # B2432AB
[] COBOL/HP-UX (Micro Focus) Run-Time System Media <i>Note: requires previous or concurrent purchase of Micro Focus Run-Time System License-To-Use, B2432AB</i> <u>Required: Select ONE</u> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only.	B2432AA AAH AAU
[] HP Micro Focus Toolbox Concurrent User License	B3452AB
[] HP Micro Focus Toolbox Media <i>Note: requires previous or concurrent purchase of Micro Focus Toolbox License-To-Use, B3452AB</i> <u>Required: Select ONE</u> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only. [] Hardcopy manuals.	B3452AA AAH AAU 0B1
[] HP Micro Focus Dialog System Concurrent User License	B3454AB
[] HP Micro Focus Dialog System Media <i>Note: requires previous or concurrent purchase of Micro Focus Dialog System License-To-Use, B3454AB</i> <u>Required: Select ONE</u> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only. [] Hardcopy manuals.	B3454AA AAH AAU 0B1
[] HP Nihongo COBOL Developers Package <u>Required: Select ONE</u> Provides software on DDS (4mm DAT) tape. CD-ROM Certificate only. Hardcopy manuals.	B3152A AAH AAU 0BJ
[] HP Nihongo COBOL Compiler <u>Required: Select ONE</u> Provides software on DDS (4mm DAT) tape. CD-ROM Certificate only. Hardcopy manuals.	B3153A AAH AAU 0BJ
[] HP Nihongo COBOL Run-Time System <u>Required: Select ONE</u> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only.	B3154A AAH AAU

SoftBench

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

	Product #
[] C Softbench 3.3, License-To-Use <i>Note: must order one end-user kit, B3562BA, for each License-To-Use</i>	B3560BB
[] Credit for HP C/ANSI C Developer's Bundle	099
[] C SoftBench 3.3 End-User Kit <i>Required: Select ONE</i>	B3562BA
[] Provides software on DDS (4mm DAT) tape.	AAH
[] CD-ROM Certificate only.	AAU
[] Add Manual Set	0B1
[] C ++Softbench 3.3, License-To-Use <i>Note: must order one end-user kit, B2620B, for each License-To-Use</i>	B2617B
[] Upgrade from SoftBench (B2600B or B3560BB)	097
[] Credit for HP C++ Language (B2400A,02,04)	098
[] Credit for HP C/ANSI C Developer's Bundle	099
[] C ++ SoftBench 3.3 End-User Kit <i>Required: Select ONE</i>	B2620B
[] Provides software on DDS (4mm DAT) tape.	AAH
[] CD-ROM Certificate only.	AAU
[] Add Manual Set	0B1
[] SoftBench 3.2 BMS Framework License-To-Use <i>Note: must order one end-user kit, B3283B, for each License-To-Use</i>	B3280B
[] SoftBench 3.2 BMS Framework End-User Kit <i>Required: Select ONE</i>	B3283B
[] Provides software on DDS (4mm DAT) tape.	AAH
[] CD-ROM Certificate only.	AAU

COBOL SoftBench Family

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

	Product #
[] COBOL/C SoftBench License-To-Use	B4021BB
<i>Note: must order one end-user kit, B4022BA, for each License-To-Use</i>	
[] Upgrade from COBOL SoftBench or C SoftBench	097
[] COBOL/C SoftBench End-User Kit	B4022BA
<i>Required: Select ONE</i>	
[] Provides software on DDS (4mm DAT) tape.	AAH
[] CD-ROM Certificate only.	AAU
[] Add Manual Set	0B1
[] COBOL/C SoftBench with Compiler License-To-Use	B4024BB
<i>Note: must order one end-user kit, B4025BA, for each License-To-Use</i>	
[] Upgrade from COBOL SoftBench or C SoftBench	097
[] COBOL/C SoftBench with Compiler End-User Kit	B4025BA
<i>Required: Select ONE</i>	
[] Provides software on DDS (4mm DAT) tape.	AAH
[] CD-ROM Certificate only.	AAU
[] Add Manual Set	0B1

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

Encapsulator

[] Encapsulator 3.2 License-To-Use <i>Note: must order one end-user kit, B2616B, for each License-To-Use</i>	Product # B2606B
[] Encapsulator 3.2 End-User Kit <i>Required: Select ONE</i> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only. [] Add Manual Set	B2616B AAH AAU 0B1

C ++ Developer

[] C ++ Developer License-To-Use	B2406B
[] C ++ Developer Media and Documentation <i>Required: Select ONE</i> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only.	B2407B AAH AAU

SynerVision/ChangeVision

[] SynerVision/ChangeVision Bundle License-To-Use <i>Note: must order one end-user kit, B3265A, for each License-To-Use</i>	B3260A
[] SynerVision/ChangeVision Bundle End-User Kit <i>Required: Select ONE</i> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only. [] Add Manual Set	B3265A AAH AAU 0B1
[] SynerVision License-To-Use <i>Note: must order one end-user kit, B3269A, for each License-To-Use</i>	B3261A
[] SynerVision End-User Kit <i>Required: Select ONE</i> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only. [] Add Manual Set	B3269A AAH AAU 0B1
[] ChangeVision License-To-Use <i>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.</i>	B3262A
[] ChangeVision End-User Kit <i>Required: Select ONE</i> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only. [] Add Manual Set	B3273A AAH AAU 0B1

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.

☐ Transfer License Administration Fee for SoftBench, Encapsulator, or C++ SoftBench	Product # B2633A
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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 <i>Note: must order one end-user kit, B1186B, for each License-To-Use</i>	B1183B
☐ UIM/X 2.5 End-User Kit <i>Required: Select ONE</i> ☐ Provides software on DDS (4mm DAT) tape. ☐ CD-ROM Certificate only. ☐ Add Manual Set	B1186B AAH AAU 0B1
☐ UIM/X 2.5 Library Source Code <i>Required: Select ONE</i> ☐ Provides software on DDS (4mm DAT) tape. ☐ CD-ROM Certificate only.	B1189B AAH AAU



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 <i>Note: must order one end-user kit, B3097A, for each License-To-Use</i>	B3095A
☐ HP Branch Validator End-User Kit ☐ Provides software on DDS (4mm DAT) tape.	B3097A AAH

ClearCase 1.1

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

☐ ClearCase 1.1 License-To-Use <i>Note: must order one end-user kit, B3285A, for each License-To-Use</i> ☐ Credit for Domain DSEE and existing support contract <i>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.</i>	B3285A 095
☐ ClearCase 1.1 End-User Kit <i>Required: Select ONE</i> ☐ Provides software on DDS (4mm DAT) tape. ☐ CD-ROM Certificate only.	B3285A AAH AAU

Distributed Smalltalk

Note: requires purchase of ParcPlace VisualWorks from ParcPlace.

	Product #
[] Distributed Smalltalk Development Product License-To-Use <i>Note: must order one end-user kit, B4048AB, for each License-To-Use</i>	B4047AB
[] Distributed Smalltalk Development Product End-User Kit	B4048AB
[] Provides software on DDS (4mm DAT) tape.	AAH
[] Distributed Smalltalk Run-Time License-To-Use	B4055AB
[] HP Distributed Smalltalk VisualWorks/APOK Developer's Bundle License-To-Use	B4040AB
[] HP Distributed Smalltalk VisualWorks/APOK End-user Kit	B4041AA
[] Provides software on DDS (4mm DAT) tape.	AAH

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
[] CD-ROM Certificate only.	AAU
[] Preload and preconfigure software product with Instant Ignition <i>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.</i>	0D1
[] ALLBASE/SQL manuals - additional set.	OB1
<u>Required: Select ONE</u>	
[] Single user license.	UA0
[] 4-user license.	UA2
[] 8-user license.	OAL
[] 16-user license.	UA5
[] 32-user license.	UA7
<i>Note: use following options when upgrading number of users. Requires previous purchase of smaller client support license.</i>	
[] Credit for single user license when upgrading.	UB0
[] Credit for 4-user license when upgrading.	UB2
[] Credit for 8-user license when upgrading.	UB3
[] Credit for 16-user license when upgrading.	UB5
[] Credit for 32-user license when upgrading.	UB7

Product #	
[] HP ALLBASE/SQL Version G.0 Development for Series 700	B3147A
[] Provides software on DDS (4mm DAT) Tape.	AAH
[] CD-ROM Certificate only.	AAU
[] Preload and preconfigure software product with Instant Ignition <i>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.</i>	0D1
[] ALLBASE/SQL manuals - additional set.	OB1
<u>Required: Select ONE</u>	
[] Single user license.	UA0
[] 4-user license.	UA2
[] 8-user license.	OAL
[] 16-user license.	UA5
[] 32-user license.	UA7
<i>Note: use following options when upgrading number of users. Requires previous purchase of smaller client support license.</i>	
[] Credit for single user license when upgrading.	UB0
[] Credit for 4-user license when upgrading.	UB2
[] Credit for 8-user license when upgrading.	UB3
[] Credit for 16-user license when upgrading.	UB5
[] Credit for 32-user license when upgrading.	UB7
[] HP ALLBASE/SQL Version G.0 Runtime for Series 700 (Japanese)	B3197A
[] Provides software on DDS (4mm DAT) Tape.	AAH
[] CD-ROM Certificate only.	AAU
[] Preload and preconfigure software product with Instant Ignition <i>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.</i>	0D1
[] ALLBASE/SQL manuals - additional set.	OB1
<u>Required: Select ONE</u>	
[] Single user license.	UA0
[] 4-user license.	UA2
[] 8-user license.	OAL
[] 16-user license.	UA5
[] 32-user license.	UA7
<i>Note: use following options when upgrading number of users. Requires previous purchase of smaller client support license.</i>	
[] Credit for single user license when upgrading.	UB0
[] Credit for 4-user license when upgrading.	UB2
[] Credit for 8-user license when upgrading.	UB3
[] Credit for 16-user license when upgrading.	UB5
[] Credit for 32-user license when upgrading.	UB7

	Product #
[] HP ALLBASE/SQL Version G.0 Development for Series 700 (Japanese) [] Provides software on DDS (4mm DAT) Tape. [] CD-ROM Certificate only. [] Preload and preconfigure software product with Instant Ignition <i>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.</i> [] ALLBASE/SQL manuals - additional set. <i>Required: Select ONE</i> [] Single user license. [] 4-user license. [] 8-user license. [] 16-user license. [] 32-user license. <i>Note: use following options when upgrading number of users. Requires previous purchase of smaller client support license.</i> [] Credit for single user license when upgrading. [] Credit for 4-user license when upgrading. [] Credit for 8-user license when upgrading. [] Credit for 16-user license when upgrading. [] Credit for 32-user license when upgrading.	B3198B AAH AAU 0D1 OB1 UA0 UA2 OAL UA5 UA7 UB0 UB2 UB3 UB5 UB7
[] 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. [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only. [] Single User license. [] Credit for Single User License when upgrading to Series 800.	B3480B AAH AAU UA0 UB0

DISTRIBUTED COMPUTING TOOLS

Task Broker

	Product #
☐ Media & Documentation for Task Broker software	B1732B
<i>Required: Select ONE</i>	
☐ CD-ROM Certificate only.	AAU
☐ Provides software on DDS (4mm DAT) tape.	AAH
☐ Task Broker License-To-Use up to 10 workstation/systems	B1740L
☐ Task Broker License-To-Use up to 50 workstation/systems	B1741L
☐ Task Broker Site License-To-Use	B1742L

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
<i>Required: Select ONE</i>	
☐ Provides software on DDS (4mm DAT) tape.	AAH
☐ CD-ROM Certificate only.	AAU
<i>Required: specify HP-UX Release</i>	
☐ HP-UX 9.0 version.	APH
☐ DCE Core Services, media & documentation, International Version	B2921A
The international version of DCE Core Services conforms to U.S. technology export restrictions on DES encryption.	
<i>Required: Select ONE</i>	
☐ Provides software on DDS (4mm DAT) tape.	AAH
☐ CD-ROM Certificate only.	AAU
<i>Required: specify HP-UX Release</i>	
☐ HP-UX 9.0 version.	APH
☐ DCE Client License	B2923A
☐ DCE CDS Server License	B2924A
☐ DCE Security Server License	B2925A
☐ DCE DFS Server License	B2919AA
☐ DCE NFS-DFS Server Gateway License	B2918AA
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.	
☐ DCE GDS Server License	J2392AA
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.	

DCE Application Tools

		Product #
[] DCE Application Development Tools, media & doc		B2922A
<u>Required: Select ONE</u>		
[] Provides software on DDS (4mm DAT) tape.		AAH
[] CD-ROM Certificate only.		AAU
<u>Required: specify HP-UX Release</u>		
[] HP-UX 9.0 version.		APH
[] DCE Application Development Tools License		B2926A

DCE Bundles

[] HP DCE Quickstart Bundle	B2903A
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	
<u>Required: Select ONE</u>	
[] Provides software on DDS (4mm DAT) tape.	AAH
[] CD-ROM Certificate only.	AAU

DCE Documentation

[] HP DCE hardcopy documentation	B2927A
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SYSTEM & NETWORK MANAGEMENT

Performance Management

HP PerfView

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

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

[] HP PerfView agent license for IBM RS6000 desktop systems	Product # H5964A
<i>Required: Select ONE</i> [] Up to 10 nodes. [] Up to 25 nodes. [] Up to 50 nodes. [] Up to 100 nodes.	UDG UDH UDJ UDK

HP GlancePlus

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

[] HP GlancePlus License-To-Use <i>Required: Select ONE</i> [] Single Node License [] 10 node license - NOT for use on SERVERS [] 25 node license - NOT for use on SERVERS [] 50 node license - NOT for use on SERVERS	B3690AA UDE UDG UDH UDJ
[] HP GlancePlus Media and Manuals <i>Required: Select ONE</i> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only, and manual. [] Additional Manual. <i>Required: specify HP-UX Release</i> [] Version for HP-UX 9.0	B3691AA AAH AAU OB1 APH

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 <i>Required: Select ONE</i> [] Single Node License [] 10 node license - NOT for use on SERVERS [] 25 node license - NOT for use on SERVERS [] 50 node license - NOT for use on SERVERS	B3698AA UDE UDG UDH UDJ
[] HP GlancePlus Pak Media and Manuals <i>Required: Select ONE</i> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only, and manual. [] Additional Manual. <i>Required: specify HP-UX Release</i> [] Version for HP-UX 9.0 HP PerfRX Analysis Software	B3699AA AAH AAU OB1 APH
[] HP PerfRX Analysis Software License-To-Use for One System	B3467AA

		Product #
[] HP PerfRX Analysis Software Media and Manuals		B3468AA
<i>Required: Select ONE</i>		
[] Provides software on DDS (4mm DAT) tape.		AAH
[] CD-ROM Certificate only, and manual.		AAU
[] Additional Manual.		OB1
[] 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
[] Manual.		0BE
<i>Required: Select ONE</i>		
[] Provides software on DDS (4mm DAT) tape.		AAH
[] CD-ROM Certificate only.		AAU
<i>Required: Select ONE</i>		
[] Version for HP-UX 8.05		APE
[] Version for HP-UX 8.07		APF
[] Version for HP-UX 9.0		APH

Storage Management

[] HP OmniBack Base License		B1922A
<i>Required: Select ONE</i>		
[] 2-User License		UA1
[] 8-User License		UA3
[] 16-User License		UA5
[] 32-User License		UA7
[] 64-User License		UA9
[] 128-User License		UAB
[] 256-User License		UAD
[] 512-User License		UCQ
[] Credit for 2-User License		UB1
[] Credit for 8-User License		UB3
[] Credit for 16-User License		UB5
[] Credit for 32-User License		UB7
[] Credit for 64-User License		UB9
[] Credit for 128-User License		UBA
[] Credit for 256-User License		UBV

		Product #
[] HP OmniBack/Turbo Base License		B1923A
<i>Required: Select ONE</i>		
☐ 2-User License		UA1
☐ 8-User License		UA3
☐ 16-User License		UA5
☐ 32-User License		UA7
☐ 64-User License		UA9
☐ 128-User License		UAB
☐ 256-User License		UAD
☐ 512-User License		UCQ
☐ Credit for 2-User License		UB1
☐ Credit for 8-User License		UB3
☐ Credit for 16-User License		UB5
☐ Credit for 32-User License		UB7
☐ Credit for 64-User License		UB9
☐ Credit for 128-User License		UBA
☐ Credit for 256-User License		UBV
☐ Upgrade credit from HP OmniBack 2-User License		001
☐ Upgrade credit from HP OmniBack 8-User License		002
☐ Upgrade credit from HP OmniBack 16-User License		003
☐ Upgrade credit from HP OmniBack 32-User License		004
☐ Upgrade credit from HP OmniBack 64-User License		005
☐ Upgrade credit from HP OmniBack 128-User License		006
☐ Upgrade credit from HP OmniBack 256-User License		007
☐ Upgrade credit from HP OmniBack 512-User License		009
[] HP OmniBack for HP-UX 8.05 or 8.07		B1945A
<i>Required: Select ONE</i>		
☐ Provides software on DDS (4mm DAT) tape.		AAH
☐ CD-ROM Certificate only.		AAU
☐ U.S. English		ABA
☐ Japanese.		ABJ
☐ License-To-Use for 3 months - Evaluation copy.		AGZ
[] HP OmniBack HP-UX 9.0		B1945B
<i>Required: Select ONE</i>		
☐ Provides software on DDS (4mm DAT) tape.		AAH
☐ CD-ROM Certificate only.		AAU
☐ U.S. English		ABA
☐ Japanese.		ABJ
☐ License-To-Use for 3 months - Evaluation copy.		AGZ
[] HP OmniBack/Turbo. HP-UX 8.05 or 8.07		B1929A
<i>Required: Select ONE</i>		
☐ Provides software on DDS (4mm DAT) tape.		AAH
☐ CD-ROM Certificate only.		AAU
☐ U.S. English		ABA
☐ Japanese.		ABJ
☐ License-To-Use for 3 months - Evaluation copy.		AGZ

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

Network Management

HP OpenView Network Node Manager		J2317A
<i>Required: Select ONE</i>		
☐ Provides software on DDS (4mm DAT) tape.		004
☐ CD-ROM media & documentation.		005
<i>Required: Select ONE</i>		
☐ License to use on a single system.		008
☐ Return Credit for previously purchased SNMP or DM Management platform		013
☐ Upgrade Credit for previous version.		014
☐ Additional hardcopy manuals.		015
[] HP OpenView Enterprise Management Station		B1040B
<i>Required: Select ONE</i>		
☐ HP OpenView Network Node Manager		200
☐ HP Openview Probe Manager		201
[] HP OpenView SNMP Platform		J2314A
<i>Required: Select ONE</i>		
☐ Provides software on DDS (4mm DAT) tape.		004
☐ CD-ROM media & documentation.		005
<i>Required: Select ONE</i>		
☐ License to use on a single system.		008
☐ Additional hardcopy manuals.		015
☐ Ingres DB DAT and manuals.		024
☐ Ingres DB CD-ROM and manuals.		025
☐ Ingres DB Single User License.		028
☐ Additional Ingres DB manual set.		039

		Product #
[] HP OpenView SNMP Developer's kit		J2311A
<i>Required: Select ONE</i>		
[] Provides software on DDS (4mm DAT) tape.		004
[] CD-ROM media & documentation.		005
<i>Required: Select ONE</i>		
[] License to use on a single system.		008
[] Five (5) User License.		009
[] Ten (10) User License.		010
[] Twenty (20) User License.		011
[] Credit upgrade from HP OpenView SNMP Management Platform		013
[] Additional hardcopy manuals.		015
[] Ingres DB DAT and manuals.		024
[] Ingres DB CD-ROM and manuals.		025
[] Ingres DB Single User License.		028
[] Ingres DB Five (5) User License.		029
[] Ingres DB Ten (10) User License.		030
[] Ingres DB Twenty (20) User License.		031
[] Additional Ingres DB manual set.		039
[] HP OpenView Interconnect Manager		27361B
[] Provides both software on 1/4" cartridge tape & printed manuals.		AA0
[] Provides both software on DDS (4mm DAT) tape and printed manuals.		AAH
[] HP OpenView Distributed Management Developer's Kit		J2320A
<i>Required: Select ONE</i>		
[] Provides software on DDS (4mm DAT) tape.		004
[] CD-ROM media & documentation.		005
<i>Required: Select ONE</i>		
[] License to use on a single system.		008
[] Five (5) User License.		009
[] Ten (10) User License.		010
[] Twenty (20) User License.		011
[] Credit for current HP OpenView Network Node Manager.		012
[] Credit upgrade from HP OpenView SNMP Developer's Kit.		013
[] Credit upgrade from HP OpenView NMS Developer's Kit.		014
[] Additional hardcopy manuals.		019
[] Ingres DB DAT and manuals.		024
[] Ingres DB CD-ROM and manuals.		025
[] Ingres DB Single User License.		028
[] Ingres DB Five (5) User License.		029
[] Ingres DB Ten (10) User License.		030
[] Ingres DB Twenty (20) User License.		031
[] Additional Ingres DB manual set.		039
[] HP OpenView Distributed Management Platform		J2323A
<i>Required: Select ONE</i>		
[] Provides software on DDS (4mm DAT) tape.		004
[] CD-ROM media & documentation.		005
<i>Required: Select ONE</i>		
[] License to use on a single system.		008
[] Credit for current HP OpenView Network Node Manager.		012
[] Credit upgrade from HP OpenView SNMP Developer's kit.		013
[] Additional hardcopy manuals.		019
[] Ingres DB DAT and manuals.		024
[] Ingres DB CD-ROM and manuals.		025
[] Ingres DB Single User License.		028
[] Additional Ingres DB manual set.		039

[] HP OpenView Extensible SNMP Agent <u>Required: Select ONE</u> [] Provides both software on 1/4" cartridge tape & printed manuals. [] Provides both software on DDS (4mm DAT) tape and printed manuals. <u>Required: Select ONE</u> [] License for use on a single system. [] License for use on 100 systems. [] License for use on 1000 systems.	Product # B1037B AA0 AAH UA0 UAE UAG
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HP OpenView Node Manager for NetWare Stations, Licenses

[] HP OV Node Manager for NetWare Station Manager License-to-Use	J1042AA
[] HP OV Node Manager for NetWare Station Agent License-To-Use <u>Required: Select ONE</u> [] Station Agent (1 - 19) each [] Station Agent (20 - 99) each [] Station Agent (100+) each	J1042AB

HP OpenView Node Manager for NetWare Servers, Licenses

[] HP OV Node Manager for NetWare Servers	J1047AA
[] HP OV Node Manager for NetWare Server Agent License-To-Use <u>Required: Select ONE</u> [] Station Agent (1 - 19) each [] Station Agent (20 - 99) each [] Station Agent (100+) each	J1047AB

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

[] HP OV Node Manager for NetWare License-To-Use (Bundle)	J1050AA
[] HP OV Node Manager for NetWare Agent, License-To-Use (Bundle) <u>Required: Select ONE</u> [] Station Agent (1 - 19) each [] Station Agent (20 - 99) each [] Station Agent (100+) each	J1050AB

HP OpenView SNA Node Manager, Licenses

[] HP OV SNA Node Manage License-To-Use	J1053AA
[] HP OV SNA Node Manager MVS Agent License-To-Use, 10 Subareas	J1053AB

HP OpenView Node Manager Media and Documentation

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

		Product #
[] HP OV Node Manager for Netware Media and Documentation		J1045AA
<i>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</i>		
<i>Required: Select ONE</i>		
[] Provides software on DDS (4mm DAT) tape, and documentation.		AAH
[] CD-ROM Certificate only, and documentation.		AAF
[] HP OV Node Manager for Netware Agents Media and Documentation		J1046AA
<i>Note: requires previous or concurrent purchase of Node Manager for Netware Servers Agent License -to-use J1047AB or Node Manager for Netware Agents Bundle License-To-Use, J1050AB</i>		
[] Provides software on 3.5 inch disk, and documentation		AAD
[] HP OV Node Manager for NetWare Servers User's Documentation		J1048AA
[] HP OV Node Manager for NetWare Stations User's Documentation		J1043AA
[] HP OV SNA Node Manager Media and Documentation		J1051AA
<i>Note: requires previous or concurrent purchase of HP OV SNA Node Manager License-To-Use, J1053AA</i>		
<i>Required: Select ONE</i>		
[] Provides software on DDS (4mm DAT) tape, and documentation.		AAH
[] CD-ROM Certificate only, and documentation.		AAF
[] HP OV SNA Agent MVS Cartridge Media		J1052AA
<i>Note: requires previous or concurrent purchase of HP OV SNA Node Manager MVS License, J1053AB</i>		
[] HP OV SNA Node Manager Documentation		J1054AA

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 #
[] SNAplusLink ☐ Right-to-use license (required) <u>Required: Select ONE</u> ☐ Provides software on DDS (4mm DAT) tape. ☐ CD-ROM Certificate only. <u>Required: specify HP-UX Release</u> ☐ HP-UX 9.0 version. ☐ HP-UX 8.07 version. ☐ SNAplus Migration Guide to HP-UX Version 8.07 ☐ SNAplus Migration Guide to HP-UX Version 9.0 ☐ Delete Manual set. ☐ Japanese manuals. ☐ PC Clients Option ☐ Add EISA Card.	J2226A AHN AAH AAU APH APF OBD OBG OB0 ABJ 100 UG3
[] SNAplus3270 <u>Required: Select ONE</u> ☐ Provides software on DDS (4mm DAT) tape. ☐ CD-ROM Certificate only. <u>Required: specify HP-UX Release</u> ☐ HP-UX 9.0 version. ☐ HP-UX 8.07 version. ☐ HLLAPI Programmers Guide for HP-UX Version 8.07 ☐ HLLAPI Programmers Guide for HP-UX Version 9.0 ☐ Delete Manual set. ☐ Japanese manuals.	J2227A AAH AAU APH APF OBD OBG OB0 ABJ
[] SNAplusRJE <u>Required: Select ONE</u> ☐ Provides software on DDS (4mm DAT) tape. ☐ CD-ROM Certificate only. <u>Required: Specify HP-UX Release</u> ☐ HP-UX 9.0 version. ☐ Delete Manual set. ☐ Japanese manuals.	J2228A AAH AAU APH OB0 ABJ
[] SNAplusAPI <u>Required: Select ONE</u> ☐ Provides software on DDS (4mm DAT) tape. ☐ CD-ROM Certificate only. <u>Required: specify HP-UX Release</u> ☐ HP-UX 9.0 version. ☐ HP-UX 8.07 version. ☐ APPC Programmer's Migration Guide ☐ Delete Manual set.	J2229A AAH AAU APH APF OBG OB0

		Product #
[] SNAplus3179G		J2230A
<i>Required: Select ONE</i>		
[] Provides software on DDS (4mm DAT) tape.		AAH
[] CD-ROM Certificate only.		AAU
<i>Required: specify HP-UX Release</i>		
[] HP-UX 9.0 version.		APH
[] Delete Manual set.		OB0
[] Japanese manuals.		ABJ

Local Area Links

[] HP Token Ring/9000		J2165A
<i>Required: Select ONE</i>		
[] Provides software on DDS (4mm DAT) tape.		AAH
[] CD-ROM Certificate only.		AAU
<i>Required: specify HP-UX Release</i>		
[] HP-UX 9.0 version.		APH
[] HP-UX 8.07 version.		APF
[] Delete Manual set.		OB0
[] LAN/9000		25567B
[] LAN/9000 ThickLAN connection.		740
[] LAN/9000 EtherTwist connection.		840
[] Apollo Token Ring (ATR) for Model 730 & Model 750		A2544A
<i>Required: Select ONE</i>		
[] Provides software on DDS (4mm DAT) tape.		AAH
[] CD-ROM Certificate only.		AAU
<i>Required: Select ONE</i>		
[] HP-UX 9.0 version.		APH
[] HP-UX 8.07 version.		APF
[] HP-UX 8.0 version.		APB
[] Apollo Token Ring (ATR) for Model 720		A2545A
<i>Required: Select ONE</i>		
[] Provides software on DDS (4mm DAT) tape.		AAH
[] CD-ROM Certificate only.		AAU
<i>Required: Select ONE</i>		
[] HP-UX 9.0 version.		APH
[] HP-UX 8.07 version.		APF
[] HP-UX 8.0 version.		APB

Services

[] NS/9000 Network Services		J2140A
<i>Required: Select ONE</i>		
[] CD-ROM Certificate only for HP-UX 9.0.		UJB
[] CD-ROM Certificate only for HP-UX 8.07.		UJ8
[] Provides software on DDS (4mm DAT) tape for HP-UX 9.0.		UJC
[] Provides software on DDS (4mm DAT) tape for HP-UX 8.07.		UJ9

Wide Area Links

		Product #
[] X.25/9000 Link Product <i>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.</i> <i>Required: Select ONE</i> [] Provides software on DDS (4mm DAT) tape for HP-UX 9.0. [] Provides software on DDS (4mm DAT) tape for HP-UX 8.07. [] CD-ROM Certificate only for HP-UX 9.0. [] RS-232 Interface Cable. [] V.35 Interface Cable. [] Delete Software.		J2159A UJC UJ9 UJB 1AT 1AU 1AW
[] X.25/9000 Link Product for Series 712 Workstations <i>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.</i> [] Provides software on DDS (4mm DAT) tape.		A4015A AAH

ISDN Products

[] HP ISDN Link 64kbs <i>Required: Select ONE</i> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only. [] Delete software and manuals.		J2104A AAH AAU 1AW
[] TCP/IP to ISDN Gateway/Router for ISDN Link 64kbs <i>Required: Select ONE</i> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only.		J2105A AAH AAU
[] HP ISDN Link 56kbs and 64kbs <i>Required: Select ONE</i> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only. [] Delete software and manuals.		J2109A AAH AAU 1AW
[] TCP/IP to ISDN Gateway/Router for ISDN Link 56kbs and 64kbs <i>Required: Select ONE</i> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only.		J2108A AAH AAU

		Product #
[] HP OTS/9000 <i>Note: HP OTS/9000 requires that HP STREAMS/UX, product J2232A, be installed on each Series 700 workstation running OSI Transport Services. Order information for HP STREAMS/UX may be found below in the Networking and Communications section of this guide.</i> <u>Required: Select ONE</u> ☐ Provides software on DDS (4mm DAT) tape. ☐ CD-ROM Certificate only. <u>Required: specify HP-UX Release</u> ☐ HP-UX 9.0 version. ☐ HP-UX 8.07 version. ☐ Delete Manual set.		J2160A AAH AAU APH APF 0B0
[] HP MMS/9000 <u>Required: Select ONE</u> ☐ Provides software on DDS (4mm DAT) tape. ☐ CD-ROM Certificate only. <u>Required: specify HP-UX Release</u> ☐ HP-UX 9.0 version. ☐ HP-UX 8.07 version. ☐ Delete Manual set.		J2161A AAH AAU APH APF 0B0
HP X.400/9000 <u>Required: Select ONE</u> ☐ Provides software on DDS (4mm DAT) tape. ☐ CD-ROM Certificate only. <u>Required: Select ONE</u> ☐ HP-UX 9.0 version. ☐ HP-UX 8.07 version. ☐ Delete Manual set. ☐ Japanese manuals.		J2162A AAH AAU APH APF 0B0 ABJ
[] HP FTAM/9000 <u>Required: Select ONE</u> ☐ Provides software on DDS (4mm DAT) tape. ☐ CD-ROM Certificate only. <u>Required: specify HP-UX Release</u> ☐ HP-UX 9.0 version. ☐ HP-UX 8.07 version. ☐ Delete Manual set. ☐ Japanese manuals.		J2163A AAH AAU APH APF 0B0 ABJ
[] STREAMS/UX for HP9000 Series 700 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. <u>Required: Select ONE</u> ☐ Provides software on DDS (4mm DAT) tape. ☐ CD-ROM Certificate only.		J2232A AAH AAU

[] HP OpenView X.400 Manager <u>Required: Select ONE</u> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only. <u>Required: specify HP-UX Release</u> [] HP-UX 9.0 version. [] Delete Manual set.	Product # J2387A AAH AAU APH 0B0
[] X.500 Directory Server/Client Series 700 License-To-Use	J2394AA
[] X.500 Directory Server/Client Series 700 Media <u>Required: Select ONE</u> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only. <u>Required: specify HP-UX Release</u> [] HP-UX 9.0 version.	J2395AA AAH AAU APH
[] X.500 Directory Client Series 700 License-To-Use	J2396AA
[] X.500 Directory Client Series 700 Media <u>Required: Select ONE</u> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only. <u>Required: specify HP-UX Release</u> [] HP-UX 9.0 version.	J2397AA AAH AAU APH
[] Manual for X.500 Directory for Series 700	J2398AA

GRAPHICS

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

[] HP PHIGS 2.3 Run-Time Libraries. HP-UX 9.0 <i>Required: Select ONE</i> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only.	Product # B2364D AAH AAU
[] HP ARTCore Development Environment <i>Required: Select ONE</i> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only. [] Hardcopy manuals.	B2930A AAH AAU OBJ
[] HP ARTCore Run-Time Libraries <i>Required: Select ONE</i> [] Provides software on DDS (4mm DAT) tape. [] CD-ROM Certificate only.	B2931A AAH AAU

MIGRATION TOOLS

		Product #
[] DMX		B2895A
<i>Required: Select ONE</i>		
[] Provides software on DDS (4mm DAT) tape.		AAH
[] CD-ROM Certificate only.		AAU
[] Hardcopy manuals.		OBJ
[] Passwd/Etc		B2681A
<i>Required: Select ONE</i>		
[] Provides software on DDS (4mm DAT) tape.		AAH
[] CD-ROM Certificate only.		AAU
<i>Required: specify HP-UX Release</i>		
[] HP-UX 9.0 version.		APH
[] HP-UX 8.07 version.		APF



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 #
☐ HP-RT Developer's Kit License-To-Use <i>Note: one license is required per developer.</i>	B3799AB
☐ HP-RT Developer's Kit Software and Manuals <i>Note: requires concurrent or previous purchase of HP-RT Developer's Kit LTU, B3799AB</i> <i>Required: Select ONE</i> ☐ Provides software on DDS (4mm DAT) tape. ☐ CD-ROM Certificate only.	B3800AA AAH AAU

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
☐ VME Backplane Networking Software and Manuals This product provides software and manuals to install and use the VME Backplane Networking drivers. <i>Note: requires concurrent or previous purchase of VME Backplane Networking LTU, B3802AA</i> <i>Required: Select ONE</i> ☐ Provides software on DDS (4mm DAT) tape. ☐ CD-ROM Certificate only.	B3803AA AAH AAU

HP-RT OTSrt

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

☐ OTSrt License-To-Use	B3805AA
☐ OTSrt Software and Manuals <i>Note: requires concurrent or previous purchase of OTSrt LTU, B3486A.</i> <i>Required: Select ONE</i> ☐ Provides software on DDS (4mm DAT) tape. ☐ CD-ROM Certificate only.	B3806AA AAH AAU

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
☐ STREAMSrt Software and manuals <i>Note: requires concurrent or previous purchase of STREAMSrt LTU, B3808AA</i> <i>Required: Select ONE</i> ☐ Provides software on DDS (4mm DAT) tape. ☐ CD-ROM Certificate only.	B3809AA AAH AAU

MISCELLANEOUS

		Product #
[] HP Visual Editor 2.1 License-To-Use		B1504A
<i>Required: Select ONE</i>		
[] Provides software on DDS (4mm DAT) tape.		AAH
[] CD-ROM Certificate only.		AAU
[] Hardcopy manuals.		OBJ
[] HP VEE-Engine		E2101B
<i>Required: Select ONE</i>		
[] Provides software on CD-ROM media.		AAF
[] Provides software on DDS (4mm DAT) tape.		AAH
[] US English documentation.		ABA
[] German documentation.		ABD
[] French documentation.		ABF
[] Japanese documentation.		ABJ
[] HP VEE-Test		E2111B
<i>Required: Select ONE</i>		
[] Provides software on CD-ROM media.		AAF
[] Provides software on DDS (4mm DAT) tape.		AAH
[] US English documentation.		ABA
[] German documentation.		ABD
[] French documentation.		ABF
[] Japanese documentation.		ABJ
[] HP VEE-Test/RunOnly		E2116B
[] Provides software on DDS (4mm DAT) tape.		AAH
[] SICL Instrument Control		E2091B
<i>Required: Select ONE</i>		
[] Provides software on CD-ROM media.		AAF
[] Provides software on DDS (4mm DAT) tape.		AAH
[] EISA High-speed HP-IB interface card for instrument control		E2071I
[] SRM/UX Network Server		E2085C
<i>Required: Select ONE</i>		
[] Provides software on CD-ROM media.		AAF
[] Provides software on DDS (4mm DAT) tape.		AAH
[] Provides software on 1/4" cartridge tape.		AAO

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Hardware and Software Support

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

HP System Support Options Availability

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

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

Option 0S4

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

Option 0SZ

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

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

Support Option Features

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

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

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

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. <i>Do not order this option in combination with a Model 712.</i> 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*)

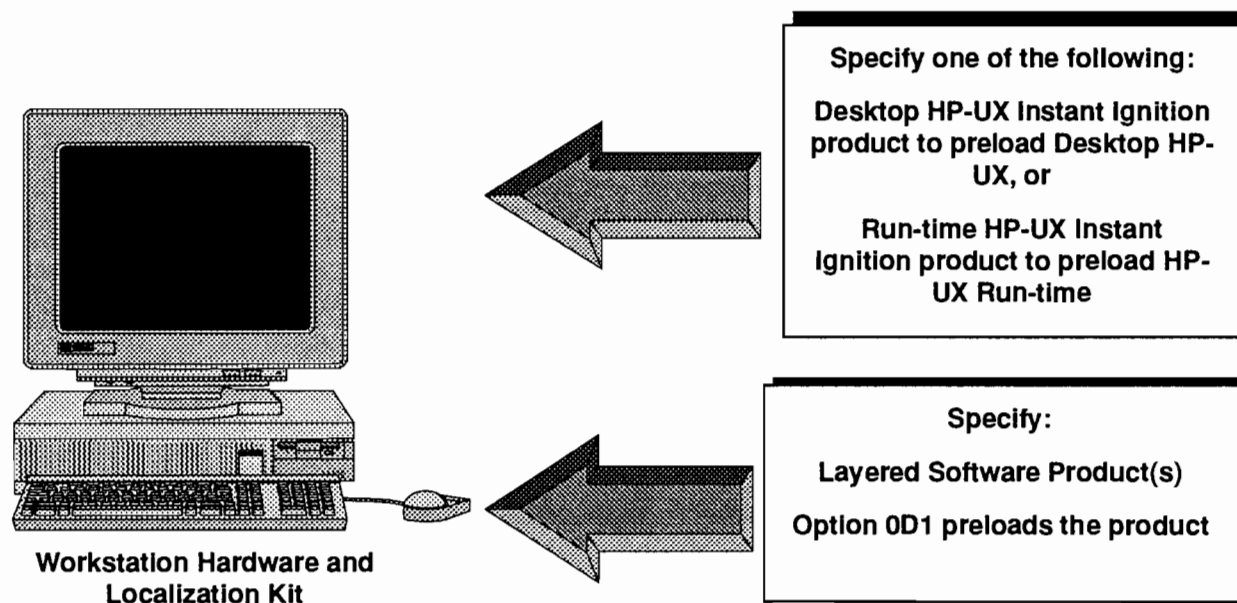
- C language *include* files

“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 is 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

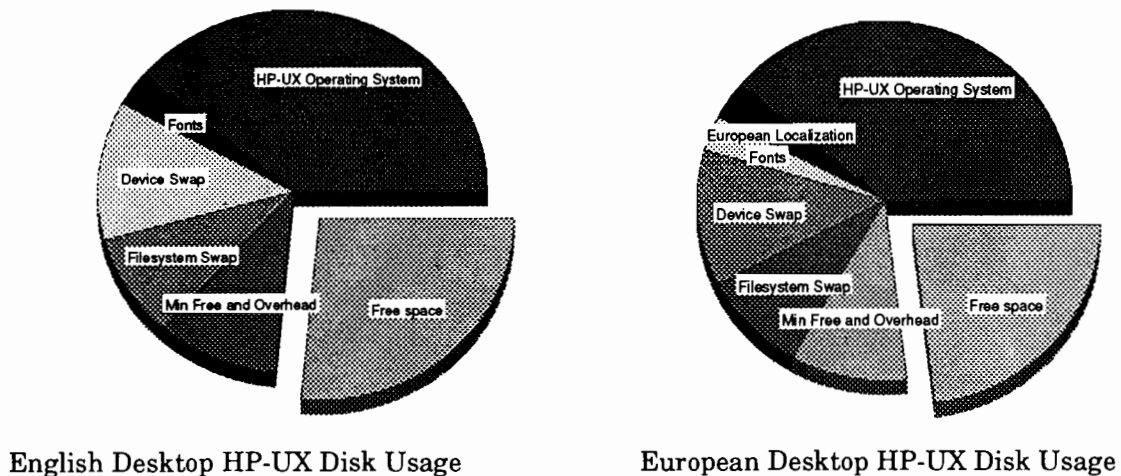
Table 6 shows the disk space usage for English and European Desktop HP-UX on 260 MB disks.

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



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:

$$\text{Free disk space} = \text{Raw formatted capacity} - \text{Device swap space} \quad (\text{EQ 1})$$

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

$$\text{Free disk space} = 525 - 100 = 425 \text{ MB} \quad (\text{EQ 2})$$

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

$$\text{I-nodes and overhead} = 0.03 * 425 \text{ MB} = 13 \text{ MB} \quad (\text{EQ 3})$$

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:

$$\text{Min free} = 0.10 * (\text{raw formatted capacity} - \text{device swap} - \text{filesystem overhead}) \quad (\text{EQ 4})$$

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

$$0.10 * (525 \text{ MB} - 100 \text{ MB} - 13 \text{ MB}) = 42 \text{ MB} \quad (\text{EQ 5})$$

Free Space for Applications

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

$$\text{Application free space} = \text{Raw formatted capacity} - \text{swap space} - \text{filesystem overhead} - \text{min free} - \text{size of HP-UX from Table 7} \quad (\text{EQ 6})$$

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.

$$\text{Application free space} = 525 - 100 - 13 - 42 - 110 = 260 \text{ MB} \quad (\text{EQ 7})$$

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:

$$\text{Application free space} = 525 - 100 - 13 - 42 - 155 = 215 \text{ MB} \quad (\text{EQ } 8)$$

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

$$\text{Application free space} = 1000 - 200 - 30 - 77 - 155 = 538 \text{ MB} \quad (\text{EQ } 9)$$

Example 3: 2 GB disk with 500 MB swap space

$$\text{Application free space} = 2000 - 500 - 60 - 144 - 155 = 1141 \text{ MB} \quad (\text{EQ } 10)$$

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 <i>/usr</i> filesystem	66 MB
Run-time HP-UX <i>/usr</i> 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	X11-FONTA	RUSSIAN
AGRM	X11-FONTB	SERBOCROATIAN
ARPA-RUN	X11-FONTC	SLOVENE
AUDIO	X11-RUN	SPANISH
BMS	X11-RUN-HELP	SWEDISH
BSDIPC-SOCKET	X11-SERV	THAI
C-MIN	X11R4-SHLIBS	TURKISH
CMDS-AUX	X11R5-SHLIBS	
CMDS-MIN	AMERICAN	
CORE-SHLIBS	ARABIC	
DOS-UTILS	ARABICW	
EDITORS	BULGARIAN	
HPUX-HELP	CFRENCH	
IGNITION	CHINESES	
IGNITION-HELP	CHINESET	
IMAGING-RUN	CZECH	
IMAGING-SHLIBS	DANISH	
KERN-BLD	DUTCH	
LAN	ENGLISH	
LP-SPOOL	FINNISH	
LSSERVER-ADMIN	FRENCH	
LSSERVER-RUN	GERMAN	
MAILERS	GREEK	
MKFONTDIR	HEBREW	
NCSNCK-RUN	HUNGARIAN	
NET	ICELANDIC	
NETINET	ITALIAN	
NETTRACELOG	JAPANESE	
NFS-RUN	KATAKANA	
NLS-CORE	KOREAN	
SAM	NLS-CORE	
SPELL	NORWEGIAN	
SYS-ADMIN	POLISH	
TOOL	PORTUGUES	
UX-CORE	RUMANIAN	

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
ARPA-INC	IGNITION	RUMANIAN	X11-SERV
ARPA-RUN	IGNITION-HELP	RUSSIAN	X11R4-SHLIBS
AUDIO	IGNITION-HELP	SAM	X11R5-SHLIBS
AUDIT	IMAGING-RUN	SBDL-SHLIBS	
BMS	IMAGING-SHLIBS	SERBOCROATIAN	
BSDIPC-SOCKET	ITALIAN	SLIP-RUN	
BULGARIAN	JAPANESE	SLOVENE	
C-INC	KATAKANA	SPANISH	
C-MIN	KERN-BLD	SPELL	
CFRENCH	KEYSHELL-RUN	SRB-90WS	
CHINESES	KOREAN	SSB-90WS	
CHINESET	LAN	STAR-RUN	
CMDS-AUX	LANG-MIN	STAR-SHLIBS	
CMDS-MIN	LANG-SHLIBS	SWEDISH	
CORE-DIAG	LP-SPOOL	SYS-ADMIN	
CORE-SHLIBS	LSSERVER-ADMIN	SYSKOM	
CZECH	LSSERVER-RUN	TERM-MNGR-MIN	
DANISH	MAILERS	TERM-MNGR-NHP	
DISKLESS	MKFONTDIR	TEXT-FMT	
DOS-UTILS	NCSNCK-RUN	THAI	
DQUOTA	NET	TOOL	
DUTCH	NET-INSTL-300	TURKISH	
EDITORS	NET-INSTL-700	UUCP	
ENGLISH	NET-INSTL-AUX	UX-CORE	
FAFM-RUN	NETINET	VME-SERV	
FAFM-SHLIBS	NETIPC	X11-FONTA	
FINNISH	NETTRACELOG	X11-FONTA	
FRENCH	NFS-RUN	X11-FONTB	

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 preloaded. First system memory quantity is determined (32 MB). Next that quantity is multiplied by two:

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

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:

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

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

Instant Ignition Automatic Swap Space Calculation

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