MPE/iX Documentation Guide

HP e3000 MPE/iX Computer Systems

Edition 12

Restricted Rights Legend

Using This Manual

Read chapter 1 to understand the MPE/iX collections and find out what is new for this release. Chapter 2 lists the manuals in alphabetical order and points you to the correct chapter (chapters 3 through 9) in this guide to find information about a specific manual.

If you are looking for information on the latest publication date of a manual turn to Appendix A. To verify a part number turn to Appendix A.

1 Introduction to MPE/iX Collections

The MPE/iX collections provide an extensive library of manuals and other learning products documenting the use of your HP e3000. You are now reading the *MPE/iX Documentation Guide*, 32650-90896 which introduces and explains the organization of this library, which is grouped into collections.

The MPE/iX collections for the HP e3000 are listed below. For complete information on the individual manuals turn to the chapter specified in parentheses in the following listing:

- Communicators & System Software Maintenance Manuals (see chapter 3)
- MPE/iX Operating Systems (see chapter 4)
- Development Tools & Distributed Computing (see chapter 5)
- High Availability (see chapter 6)
- System Hardware & Diagnostics (see chapter 7)
- Networking & Communications (see chapter 8)
- Network & Systems Management (see chapter 9)

Ordering Learning Products

This chapter provides a listing of customer manuals for the HP e3000 computer system that have been introduced or changed since the MPE/iX 6.5 Release.

With this release, you will receive two CD-ROM documentation CDs: an HP Instant Information CD and a MPE/iX Documentation Collection PDF Format CD. Using the PDF Format CD-ROM requires that you have Adobe Acrobat Reader installed on your computer. If you do not have Acrobat Reader, you can download the latest version, free of charge, from the Adobe website at http://www.adobe.com. The pdf files are viewable and printable using Adobe Acrobat Reader 3.0 or later. Acrobat Reader also allows you to perform keyword searches on the entire CD-ROM contents.

You can also view MPE/iX document files on an external website, http://www.docs.hp.com. The files on this website are presented in a html format which is searchable and printable from the website.

Customers who want to have hardcopy documentation for their HP e3000 can order the MPE/iX Hardcopy Documentation set. Contact your local sales office and order B9412AA with option 260 (MPE/iX 6.0 documentation), option 265 (MPE/iX 6.5 documentation), or option 270 (MPE/iX 7.0 documentation).

Learning Product Changes for Release 7.0 (C.70.00) and Release 7.0 Express 1 (C.70.01)

This section lists all customer manuals introduced or updated from MPE/iX Release 6.5 to MPE/iX Release 7.0 Express 1.

Table 1-1. MPE/iX 7.0 New or Updated Manuals

Manual Title	Part No.	Latest Edition
Communicator e3000 MPE/iX Release 7.01	30216-90328	7/01
Communicator e3000 MPE/iX Release 7.0	30216-90312	2/01
Communicator e3000 MPE/iX Release 6.5 Express 2	30216-90322	11/00
Configuring and Managing MPE/iX Internet Services	32650-90898	7/01
DCE for the HP e3000	B3821-90003	7/01
High Availability Cluster/iX User's Manual	B9480-90001	11/00
High AvailabilityFailOver/iX Manual	32650-90899	11/00
HP e3000 MPE/iX System Software Maintenance Manual	30216-90317	2/01
HP e3000/iX Networt Planning and Configuration Guide	36922-90941	2/01
MPE/iX Glossary of Terms and Acronyms	32650-90893	7/01
MPE/iX Documentation Guide	32650-90893	7/01
NS 3000/iX Error Messages Reference Manual	36923-90043	7/01
NS 3000/iX NMMGR Screens Reference Manual	36922-90040	2/01
NS 3000/iX Operations & Maintenance Reference Manual	36922-90042	7/01
8-port Serial PCI ACC Multiplexer Install & Users Guide	30291-90508	2/01
ODBCLink Reference Manual	36217-90410	2/01
PCI 100Base-T Network Adapter Installation & Service Guide	32650-90900	2/01
SNA Link/iX Node Manager's Guide	30291-90507	7/01
System Debug Reference Manual	32650-90901	2/01
System Startup, Configuration, and Shutdown Reference Manual	32650-90892	2/01
TurboIMAGE/XL Database Management System Reference Manual	30391-90012	7/01
Using the Node Management Service Utilities	32022-90054	7/01

2 Alphabetical Listing of MPE/iX Manuals

This chapter provides an alphabetical listing of the software manuals available for MPE/iX. The list specifies:

- Manual name
- Part number for a single manual, and
- Collection to which the manual belongs
  - Communicators and System Software Maintenance Manuals (see chapter 3)
  - MPE/iX Operating Systems (see chapter 4)
  - Development Tools & Distributed Computing (see chapter 5)
  - High Availability (see chapter 6)
  - System Hardware & Diagnostics (see chapter 7)
  - Networking & Communications (see chapter 8)
  - Network & Systems Management (see chapter 9)
- The chapter in this guide to refer to for additional information

For a listing of all MPE/iX manuals by part number refer to Appendix A in this guide.

Table 2-1. Alphabetical Listing of Manuals

Manual Title	Part Number	Collection
* The documentation website address is: *http://www.docs.hp.com.*		
8-Port Serial PCI ACC Multiplexer Insallation & User's Guide	30291-90508	N&SM (9)
Accessing Files Programmer's Guide	32650-90885	DT&DC (5)
ALLBASE NET User's Guide	36216-90101	DT&DC (5)
ALLBASE/SQL Advanced Application Programming Guide	36216-90099	DT&DC (5)
ALLBASE/SQL C Application Programming Guide	36216-90080	DT&DC (5)
ALLBASE/SQL COBOL Application Programming Guide	36216-90081	DT&DC (5)
ALLBASE/SQL Database Administration Guide	36216-90214	DT&DC (5)
ALLBASE/SQL FORTRAN Application Programming Guide	36216-90079	DT&DC (5)
ALLBASE/SQL Message Manual	36216-90218	DT&DC (5)
ALLBASE/SQL Pascal Application Programming Guide	36216-90082	DT&DC (5)
ALLBASE/SQL Performance and Monitoring Guidelines	36216-90103	DT&DC (5)

Table 2-1. Alphabetical Listing of Manuals

Manual Title	Part Number	Collection
ALLBASE/SQL Reference Manual	36216-90216	DT&DC (5)
APPC Subsystem on MPE/XL Node Manager's Guide	30294-90007	N&C (8)
Asynchronous Serial Communications Programmer's Reference Manual	32022-90052	DT&DC (5)
Auto/Restart/XL User's Guide	36375-90004	HA (6)
Berkeley Sockets/iX Reference Guide	32650-90372	DT&DC (5)
Command Interpreter Access and Variables Programmer's Guide	32650-90493	DT&DC (5)
Communicator 3000 (6.0)	30216-90269	C&S (3)
Communicator e3000 (6.5)	30216-90291	C&S (3)
Communicator e3000 (Express 2 based on 6.5)	30216-90322	C&S (3)
Communicator e3000 (7.0)	30216-90312	C&S (3)
Communicator e3000 (Express 1 based on7.0)	30216-90328	C&S (3)
Compiler Library/XL Reference Manual	32650-90029	DT&DC (5)
Configuring and Managing Host-Based X.25 Links	36939-90054	N&C (8)
Configuring and Managing MPE/iX Internet Services	32650-90898	N&SM (9)
Configuring Systems for Terminals, Printers, and Other Serial Devices	32022-90051	N&SM (9)
CPU Upgrade Manual (9x9KS)	A2375-90012	SH&D (7)
Customizing Terminal and Printer Type Files with the Workstation Configurator	32022-90051	N&SM (9)
Data Types Conversion Programmer's Guide	32650-90015	DT&DC (5)
DCE for the HP e3000	B3821-90003	DT&DC (5)
EDIT/3000 Reference Manual	32650-90385	DT&DC (5)
Expansion Cabinet Installation Guide (99X/Family)	A1809-90006	SH&D (7)
FCOPY Reference Manual	32212-90008	MPE/iX OS (4)
Firmware Update Guide (99X/Family)	A1820-90002	SH&D (7)
Firmware Update Quick Reference (99X/T-Class)	A1820-90003	SH&D (7)
Getting Started with HP IMAGE/SQL	36385-90011	DT&DC (5)
Getting Started with HP Software Revision Controller (SRC)	30234-90002	DT&DC (5)
Getting Started with TRANSACT	32247-90007	DT&DC (5)

Table 2-1. Alphabetical Listing of Manuals

Manual Title	Part Number	Collection
High Availability Cluster/iX User's Manual	B9480-90001	HA (6)
High Availability FailOver/iX Manual	32650-90899	HA (6)
High Level Screen Management Intrinsics Library Reference Manual	32424-90002	DT&DC (5)
HP 3000 9X9KS Site Preparation and Requirements Guide	A2375-90073	SH&D (7)
HP 3000 and HP 9000 PA-RISC Computer System Support Log	09740-96033	SH&D (7)
HP 3000 CS 99x/890/T500 Families Operator's Guide	A1809-96019	SH&D (7)
HP 3000 MPE/iX System Software Maintenance Manual 7.0	30216-90317	C&S (3)
HP 3000 MPE/iX System Software Maintenance Manual 6.5	30216-90325	C&S (3)
HP 3000 MPE/iX System Software Maintenance Manual 6.0	30216-90272	C&S (3)
HP 3000 Series 9X8LX/RX Computer Systems Installation and Configuration Guide	A2051-96006	SH&D (7)
HP e3000/iX Network Planning and Configuration Guide	36922-90043	N&SM (9)
HP ALLBASE Query User Guide	32426-64001	DT&DC (5)
HP ALLBASE/BRW Reference Manual	35360-90052	DT&DC (5)
HP ALLBASE/BRW SW Update Notice for MPE/iX (BRW A.01.50)	35360-90203	DT&DC (5)
HP ALLBASE/BRW Tutorial	35360-90202	DT&DC (5)
HP ARPA File Transfer Protocol User's Guide	36957-90159	N&C (8)
HP Browse/XL User's Guide	36384-90001	DT&DC (5)
HP Business BASIC/XL Reference Manual	32715-90001	DT&DC (5)
HP C Programmer's Guide	92434-90009	DT&DC (5)
HP C/iX Library Reference Manual	30026-90004	DT&DC (5)
HP C/iX Reference Manual	31506-90011	DT&DC (5)
HP COBOL II/XL Programmer's Guide	31500-90014	DT&DC (5)
HP COBOL II/XL Quick Reference Guide	31500-90015	DT&DC (5)
HP COBOL II/XL Reference Manual	31500-90013	DT&DC (5)
HP Data Entry and Forms Mgmt System (VPLUS) Reference Manual	32209-90024	DT&DC (5)
HP Driver for JDBC User's Manual	36216-90217	DT&DC (5)
HP Easytime/XL User's Guide	B1940-90002	MPE/iX OS (4)

Table 2-1. Alphabetical Listing of Manuals

Manual Title	Part Number	Collection
HP EDIT Quick Reference Guide	30316-90017	DT&DC (5)
HP EDIT Reference Manual	30316-90016	DT&DC (5)
HP FORTRAN 77/iX Programmer's Guide	31501-90022	DT&DC (5)
HP FORTRAN 77/iX Reference Manual	31501-90021	DT&DC (5)
HP GlancePlus User's Manual (for MPE/iX Systems)	B1787-90008	DT&DC (5)
HP IMAGE/SQL Administration Guide	36385-90012	DT&DC (5)
HP Link Editor/iX Reference Manual	32650-90309	DT&DC (5)
HP Link Editor/iX Technical Addendum	32650-90845	DT&DC (5)
HP PA-RISC Computer Systems Integrated Cabinet Installation Guide (9X9KS)	A2375-90007	SH&D (7)
HP PA-RISC Computer Systems System Upgrade Guide (9X9KS)	A2375-90010	SH&D (7)
HP Pascal/iX Programmer's Guide	31502-90023	DT&DC (5)
HP Pascal/iX Reference Manual	31502-90022	DT&DC (5)
HP Performance Collection Software User's Manual	50700-90038	DT&DC (5)
HP RPG/iX Programmer's Guide	30318-90001	DT&DC (5)
HP RPG/iX Reference Manual	30318-90011	DT&DC (5)
HP RPG/iX Reference Manual Software Update Notice	30318-90017	DT&DC (5)
HP RPG/iX Utilities Reference Manual	30318-90006	DT&DC (5)
HP Security Monitor/iX Manager's Guide	32650-90498	N&SM (9)
HP Security Monitor/iX User's Guide	32650-90497	N&SM (9)
HP SNA Products Remote System Configuration Guide	30292-90008	N&C (8)
HP SNMP/XL User's Guide	36922-90036	N&C (8)
HP Software Revision Controller (SRC) Implementation Guide	30234-90003	DT&DC (5)
HP Software Revision Controller (SRC) User's Guide	30234-90001	DT&DC (5)
HP Software Revision Controller/XL Product Information Update	30234-90006	DT&DC (5)
HP Symbolic Debugger/iX User's Guide	31508-90014	DT&DC (5)
HP System Dictionary/XL COBOL Definition Extractor	32257-90001	DT&DC (5)
HP System Dictionary/XL General Reference Manual Vol 1	32256-90004	DT&DC (5)
HP System Dictionary/XL General Reference Manual Vol 2	32256-90005	DT&DC (5)

Table 2-1. Alphabetical Listing of Manuals

Manual Title	Part Number	Collection
HP System Dictionary/XL Intrinsics Reference Manual	32256-90002	DT&DC (5)
HP System Dictionary/XL SDMAIN Reference Manual	32256-90001	DT&DC (5)
HP System Dictionary/XL Utilities Reference Manual	32256-90003	DT&DC (5)
HP Telnet/iX User's Guide	36957-90156	N&C (8)
HP TRANSACT Quick Reference Guide	32247-90027	DT&DC (5)
HP TRANSACT Reference Manual	32247-90028	DT&DC (5)
HP-PB 100Base-T Network Adapter Installation and Service Guide	B5427-90001	N&C (8)
HP-PB 100VG-AnyLAN Network Adapter Installation and Service Guide	B5426-90001	N&C (8)
I/O Upgrade Manual (9X9KS)	A2375-90027	SH&D (7)
Installation Guide (99X Family)	A1809-90001	SH&D (7)
Installation/Upgrade Procedures for SHAREPLEX	B3933-90005	HA (6)
Installing and Managing HP ARPA File Transfer Protocol Network Manager's Guide	36957-90157	N&SM (9)
Internal Peripherals Update Guide (9X9KS)	A2375-90008	SH&D (7)
IPC Communications Programmer's Guide	32650-90019	DT&DC (5)
ISQL Reference Manual for ALLBASE/SQL & IMAGE/SQL	36216-90095	DT&DC (5)
KSAM/3000 Reference Manual	32650-90386	DT&DC (5)
Learning HP EDIT	30316-90015	DT&DC (5)
LU 6.2 API Application Programmer's Reference Guide	30294-90008	N&C (8)
Manager's Guide to MPE/iX Security	32650-90473	N&SM (9)
Message Catalogs Programmer's Guide	32650-90021	DT&DC (5)
Mirrored Disk/iX User's Guide	30349-90005	HA (6)
MPE Segmenter Reference Manual	30000-90011	DT&DC (5)
MPE/iX AIF: OS Reference Manual	36374-90013	DT&DC (5)
MPE/iX Commands Reference Manual	32650-90877	MPE/iX OS (4)
MPE/iX Developer's Kit Reference Manual Vol 1	36430-90007	DT&DC (5)
MPE/iX Developer's Kit Reference Manual Vol 2	36430-90008	DT&DC (5)
MPE/iX Documentation Guide	32650-90896	MPE/iX OS (4)
MPE/iX Error Messages Manual Vol 1	32650-90878	MPE/iX OS (4)

Table 2-1. Alphabetical Listing of Manuals

Manual Title	Part Number	Collection
MPE/iX Error Messages Manual Vol 2	32650-90902	MPE/iX OS (4)
MPE/iX Error Messages Manual Vol 3	32650-90880	MPE/iX OS (4)
MPE/iX Glossary of Terms and Acronyms	32650-90893	MPE/iX OS (4)
MPE/iX HP 3000 Series 99X Software Startup Manual	36123-90046	N&SM (9)
MPE/iX Intrinsics Reference Manual	32650-90905	DT&DC (5)
MPE/iX Quick Reference Guide	32650-90881	MPE/iX OS (4)
MPE/iX Shell and Utilities Reference Manual Vol 1	36431-90007	DT&DC (5)
MPE/iX Shell and Utilities Reference Manual Vol 2	36431-90008	DT&DC (5)
MPE/iX Shell and Utilities User's Guide	36431-90006	DT&DC (5)
MPE/iX System Utilities Reference Manual	32650-90882	MPE/iX OS (4)
Native Language Programmer's Guide	32650-90207	DT&DC (5)
Native Mode Spooler Reference Manual	32650-90867	N&SM (9)
NBSpool for MPE Reference Guide	B3933-90002	HA (6)
NBSpool Release Notes Version 9.7	B3933-90008	HA (6)
NetBase for MPE Reference Guide	B3933-90001	HA (6)
NetBase Release Notes Version 9.7	B3933-90007	HA (6)
NetBase SQL Shadowing Handbook	B3482-90006	HA (6)
NetIPC 3000/XL Programmer's Reference Manual	5958-8600	N&C (8)
New Features of MPE/iX: Using the Hierarchical File System	32650-90492	N&SM (9)
NS Cross-System NFT Reference Manual	5960-1634	N&C (8)
NS3000/iX Error Messages Reference Manual	36923-90043	N&C (8)
NS3000/iX NMMGR Screens Reference Manual	36922-90040	N&C (8)
NS3000/iX Operations and Maintenance Reference Manual	36922-90042	N&SM (9)
ODBCLINK/SE Reference Manual	36217-90410	DT&DC (5)
Operator's Guide (99X Family)	A1809-90009	SH&D (7)
PCI 100Base-T Network Adapter Installation & Service Guide	32650-90904	N&SM (9)
Performing System Management Tasks	32650-90854	N&SM (9)
Performing System Operation Tasks	32650-90484	N&SM (9)
Process Management Programmer's Guide	32650-90023	DT&DC (5)

Table 2-1. Alphabetical Listing of Manuals

Manual Title	Part Number	Collection
QUERY Reference Manual for MPE/iX	32650-90889	DT&DC (5)
Resource Management Programmer's Guide	32650-90024	DT&DC (5)
Site Preparation and Requirements Guide (99X Family)	A1809-90002	SH&D (7)
SNA IMF Programmer's Reference Manual	30293-90009	N&C (8)
SNA IMF/XL Node Manager's Guide	30293-90010	N&C (8)
SNA Link/iX Node Manager's Guide	30291-90009	N&C (8)
SNA NRJE Node Manager's Guide	30292-90007	N&C (8)
SNA NRJE User/Programmer Reference Manual	30292-90006	N&C (8)
SORT-MERGE/XL General User's Guide	32650-90883	MPE/iX OS (4)
SORT-MERGE/XL Programmer's Guide	32650-90884	MPE/iX OS (4)
STORE and TurboSTORE/iX Products Manual	B5151-90003	N&SM (9)
System Debug Reference Manual	32650-90901	DT&DC (5)
System Memory Upgrade Guide (9X9KS)	A2375-90009	SH&D (7)
System Startup, Configuration, and Shutdown Reference Manual	32650-90892	N&SM (9)
System Upgrade Installation Guide (CS 99X Family) (990/992 to 996)	A3310-90002	SH&D (7)
System Upgrade Installation Guide (CS 99X Family) (991/995 to 996)	A3310-90001	SH&D (7)
Trap Handling Programmer's Guide	32650-90026	DT&DC (5)
Troubleshooting Terminal, Printer and other Serial Devices	32022-90030	N&SM (9)
TurboIMAGE/XL Database Management System Reference Manual	30391-90012	DT&DC (5)
Up and Running with ALLBASE/SQL	36389-90016	DT&DC (5)
User Logging Programmer's Guide	32650-90027	DT&DC (5)
User's Guide to MPE/iX Security	32650-90471	N&SM (9)
Using HP 3000: Advanced Skills Tutorial	32650-90872	MPE/iX OS (4)
Using HP 3000: Fundamental Skills Tutorial	32650-90871	MPE/iX OS (4)
Using KSAM/XL and KSAM/64	32650-90886	DT&DC (5)
Using NS3000/iX Network Services	36920-90008	N&C (8)
Using SNA IMF Pass Thru	30293-90006	N&C (8)

Table 2-1. Alphabetical Listing of Manuals

Manual Title	Part Number	Collection
Using the HP 3000 Workload Manager	B3879-90002	N&SM (9)
Using the Node Management Services (NMS)Utilities	32022-90053	N&SM (9)
Using VPLUS/V: An Introduction to Forms Design	32209-90004	DT&DC (5)
VISTA Plus for MPE Administrators Guide	B3933-90004	HA (6)
VISTA Plus for MPE User's Guide	B3933-90003	HA (6)
VISTA Release Notes Version A.07	B3933-90006	HA (6)
Volume Management Reference Manual	32650-90491	N&SM (9)

3 Communicator & System Software Maintenance Manual Collection

The manuals in the MPE/iX Communicator and System Software Maintenance Manual Collection and the topics that each manual documents are described on the following pages. Each manual documented in this chapter is identified in the following alphabetical listing, and the functional focus of the material it contains is identified.

Table 3-1. MPE/iX Operating Systems Collection

Manual Title	Part Number
Communicator e3000 (7.0 Express 1)	30216-90328
Communicator 3000 (6.5)	30216-90291
Communicator 3000 (6.0)	30216-90269
HP 3000 MPE/iX System Software Maintenance Manual 7.0	30216-90317
HP 3000 MPE/iX System Software Maintenance Manual 6.5	30216-90298
HP 3000 MPE/iX System Software Maintenance Manual 6.0	30216-90272

MPE/iX Communicators and System Software Maintenance Manuals Collection

The following briefly describe the Communicators and the System Software Maintenance Manuals for Supported systems.

Communicator e3000 (Release 7.0 Express 1)

Part Number: 30216-90328

This number is updated with each Communicator.

Functional Focus: General usage

This document is a compilation of articles that describe new or changed products for the MPE/iX Release 7.0 Express 1. It includes all technical articles from the Communicators for 7.0 and 6.5 Express 2. The *Communicator* is shipped to all customers with the MPE/iX Fundamental Operating System (FOS) Support contract, and to customers who purchase the MPE/iX system software release.

This document contains information on the following topics:

- Announcements
- MPE/iX Release overview.
- MPE/iX A-Class and N-Class Console
- PCI WAN Sync MUX (Adapter Card and Driver)
- Multi-function core I/O card
- The PCI 100Base-T Link Product.
- Apache 1.3.14 for MPE/iX.
- PCI-SCSI Device Adapter Cards
- Support For Greater Than 8190 Concurrent Processes
- New Release of Hardware Diagnostics (STM) for MPE/iX 7.0
- Announcing DAT40 Tape drive Support on MPE/iX
- Announcing High Availability FailOver for the SureStore E Disk Array XP256
- Announcing MPE/iX High Availability Cluster/iX
- DCE to RPC 1.2.1
- Pascal/iX has $VOLATILE_WITH Option Enhancement
- AS Clause Enhancement in Allbase/SQL
- Business BASIC and the TurboIMAGE/iX Limits Increase
- QUERY/iX Enhancements Respond to User Requests
- Enhancements to DCE on MPE/iX

- Samba/iX 2.0.7

- ci enhancements

- Product Release History

- Catalog of Changed or New User Documentation

Communicator e3000 (Release 6.5)

Part Number: 30216-90291

> This number is updated with each Communicator.

Functional Focus: General usage

This document is a compilation of articles that describe new or changed products for the MPE/iX Release 6.5. The *Communicator* is shipped to all customers with the MPE/iX Fundamental Operating System (FOS) Support contract, and to customers who purchase the MPE/iX system software release.

This document contains information on the following topics:

- Announcements

- MPE/iX Release overview.

- Growth Solution.

- Data Center Management.

- Interoperability and Internet Solutions

- Announcing a Post 6.5 Release Patch.

- Product List--How to Order.

- Product release history.

- Catalog of user documentation.

Communicator e3000 (Release 6.0)

Part Number: 30216-90269

> This number is updated with each Communicator.

Functional Focus: General usage

This document is a compilation of articles that describe new or changed products for the MPE/iX Release 6.0. The *Communicator* is shipped to all customers with the MPE/iX Fundamental Operating System (FOS) Support contract, and to customers who purchase the MPE/iX system software release.

This document contains information on the following topics:

- MPE/iX Release overview.

- System information before you install.

- System management.

- System support tools.

- Application development.

- Data/application integration.

- Interoperability and Internet Solutions

- Year 2000 Enhancements.

- Peripherals.

- Technical articles.

- Product release history.

- Catalog of user documentation.

HP 3000 MPE/iX System Software Maintenance Manual 7.0

Part Number: 30216-90317.

Functional Focus: System management

This manual is written for MPE/iX system managers. It describes how to install, update, add-on subsystem products, and/or apply PowerPatch and/or Reactive patches to your HP e3000 MPE/iX system.

This manual contains directions for the following tasks:

- Install, update, add-on, and/or apply PowerPatch, using tape source media and AUTOINST.

- Update, add-on, and/or apply PowerPatch, using CD-ROM source media and HPINSTAL.

- Manage and apply Reactive patches and/or PowerPatch patches, with or without Adding-on subsystem products, using HP Patch/iX.

- Stage and apply Reactive patches and/or PowerPatch patches, using HP Patch/iX and HP Stage/iX.

- Installing subsystem products

- How to manage your disk space.

- Backdating your system.

HP 3000 MPE/iX System Software Maintenance Manual 6.5

Part Number: 30216-90298.

Functional Focus: System management

This manual is written for MPE/iX system managers. It describes how to install, update, add-on subsystem products, and/or apply PowerPatch and/or Reactive patches to your HP e3000 MPE/iX system.

This manual contains directions for the following tasks:

- Install, update, add-on, and/or apply PowerPatch, using tape source media and

AUTOINST.

- Update, add-on, and/or apply PowerPatch, using CD-ROM source media and HPINSTAL.

- Manage and apply Reactive patches and/or PowerPatch patches, with or without Adding-on subsystem products, using HP Patch/iX.

- Stage and apply Reactive patches and/or PowerPatch patches, using HP Patch/iX and HP Stage/iX.

- Installing subsystem products

- How to manage your disk space.

- Backdating your system.

HP 3000 MPE/iX System Software Maintenance Manual 6.0

Part Number: 30216-90272.

Functional Focus: System management

This manual is written for MPE/iX system managers. It describes how to install, update, add-on subsystem products, and/or apply PowerPatch and/or Reactive patches to your HP e3000 MPE/iX system.

This manual contains directions for the following tasks:

- Install, update, add-on, and/or apply PowerPatch, using tape source media and AUTOINST.

- Update, add-on, and/or apply PowerPatch, using CD-ROM source media and HPINSTAL.

- Manage and apply Reactive patches and/or PowerPatch patches, with or without Adding-on subsystem products, using HP Patch/iX.

- Stage and apply Reactive patches and/or PowerPatch patches, using HP Patch/iX and HP Stage/iX.

4 MPE/iX Operating Systems Collection

The manuals in the MPE/iX Operating System Collection and the topics that each manual documents are described on the following pages. Each manual documented in this chapter is identified in the following alphabetical listing, and the functional focus of the material it contains is identified.

Table 4-1. MPE/iX Operating Systems Collection

Manual Title	Part Number
FCOPY Reference Manual	32212-90008
HP Easytime/XL User's Guide	B1940-90602
MPE/iX Commands Reference Manual	32650-90877
MPE/iX Documentation Guide	32650-90896
MPE/iX Error Messages Manual (Volumes I, II, III)	32650-90878 32650-90902 32650-90880
MPE/iX Glossary of Terms & Acronyms	32650-90893
MPE/iX Quick Reference Guide	32650-90881
MPE/iX System Utilities Reference Manual	32650-90882
SORT-MERGE/XL General User's Guide	32650-90883
SORT-MERGE/XL Programmer's Guide	32650-90884
Using HP 3000: Advanced Skills	32650-90872
Using HP 3000: Fundamental Skills	32650-90871

MPE/iX Operating System Collection

The following briefly describe the manuals in the MPE/iX Operating System Collection.

FCOPY Reference Manual

Part Number: 32212-90008

Functional Focus: High-level general usage

This manual describes how to use FCOPY to copy all or portions of selected files from any supported input device to any supported output device.

This manual contains information on the following topics:

- How to copy disk files, tapes, remote copies, and KSAM files.
- Displaying and printing the contents of a file.
- FCOPY command syntax and functions.
- Using FCOPY with terminal peripherals.

Help Facility (Online)

Part Number: None (online)

Functional Focus: General usage

This online facility describes and gives examples of command operations and syntax. It also includes HELPSTUDY, which provides the novice user with a brief survey of how the help facility works.

This online facility contains information on the following topics:

- Native mode commands as compared to compatibility mode commands.
- The classes of commands.
- Command definitions, including syntax, parameters, and examples.
- Using HELPSTUDY to understand the help facility.

HP Easytime/XL User's Guide

Part Number: B1940-90602

Functional Focus: General usage

This manual provides information on HP Easytime/XL.

This manual contains information on the following topics:

- Managing sessions, files, print files, printers, jobs, backups, and console messages.
- Customizing HP Easytime/XL.
- Solving problems.

- Requests and messages from the system.

- Cursor movement, editing, selection, and function keys.

- HP Easytime/XL options.

- Wildcard character sets.

MPE/iX Commands Reference Manual

Part Number: 32650-90877

Functional Focus: Basic general usage

This manual describes the MPE/iX commands alphabetically (A through X) and includes a user guide to commands by task.

This volume contains information on the following topics:

- Commands by task.

- Required, optional, positional, and keyword parameters.

- Optional formats for MPE/iX commands.

- Command definitions.

MPE/iX Documentation Guide

Part Number: 32650-90896

Functional Focus: General usage

This guide provides information about the manual collections and each manual in the MPE/iX collections for the HP e3000.

This guide contains information on the following topics:

- Alphabetical listing of all manuals.

- The MPE/iX collections.

- Individual manuals within each collection.

- Part number information for MPE/iX manuals.

- Numerical listing of all manuals.

MPE/iX Error Messages Manual (Volume I)

Volume I Part Number: 32650-90878

Functional Focus: Programming

This volume of the *MPE/iX Error Message Manual* provides a listing of all system aborts and error messages.

This volume contains information on the following topics:

- Command interpreter and file system error messages.

- System aborts error messages.

- Security error messages.

MPE/iX Error Messages Manual (Volume II)

Volume II Part Number: 32650-90902

Functional Focus: Programming

This volume of the *MPE/iX Error Message Manual* provides a listing of system aborts and error messages for the MPE/iX operating system.

This volume contains information on the following topics:

- Subsystem error messages.

- Compatibility mode and native mode error messages.

- Hardware-related error messages.

- Store/restore error messages.

- Job/session error messages.

- Miscellaneous error messages.

- Data communications error messages.

MPE/iX Error Messages Manual (Volume III)

Volume III Part Number: 32650-90880

Functional Focus: Programming

This volume of the *MPE/iX Error Message Manual* lists MPE/iX system error messages and when possible, cause and action statements.

MPE/iX Glossary of Terms & Acronyms

Part Number: 32650-90893

Functional Focus: Basic general usage

This manual provides information on computer terminology, including a glossary of terms and a listing of abbreviations and acronyms.

This manual contains information on the following topics:

- Computer terminology definitions.

- Acronyms and abbreviations.

MPE/iX Quick Reference Guide

Part Number: 32650-90881

Functional Focus: General usage

This quick reference guide provides information on MPE/iX commands, utilities, intrinsics,

and several subsystems in an abbreviated, easy to use format.

This quick reference guide contains information on the following topics:

- MPE/iX commands.
- MPE/iX utilities.
- MPE/iX intrinsics.
- FCOPY and SORT-MERGE/XL commands.
- MPE/iX System Debug commands.
- The MPE/iX File System.

MPE/iX System Utilities Reference Manual

Part Number: 32650-90882

Functional Focus: System administration

This manual describes the operation of the various MPE/iX system utilities.

This manual contains information on the following topics:

- A quick reference to MPE/iX utilities.
- A detailed explanation of each utility including operation, syntax, parameters, and examples.

SORT-MERGE/XL General User's Guide

Part Number: 32650-90883

Functional Focus: Basic general usage

This guide describes the SORT-MERGE/XL subsystems provided with the MPE/iX operating system.

This guide contains information on the following topics:

- Using SORT/XL interactively to perform a variety of tasks.
- Using MERGE/XL interactively to perform a variety of tasks.
- Using SORT-MERGE/XL in batch mode.

SORT-MERGE/XL Programmer's Guide

Part Number: 32650-90884

Functional Focus: Programming

This guide provides information on how to programmatically sort or merge files.

This guide contains information on the following topics:

- Using SORT/XL or MERGE/XL.
- Creating the core sort and merge routines.

- Input and output by record.
- Altering the collating sequence.
- Obtaining SORT-MERGE information.

Using HP 3000: Advanced Skills Tutorial

Note: Files for Tutorial can be downloaded from
         http://jazz.external.hp.com/papers/

Part Number: 32650-90872

Functional Focus: High-level general usage

This self-paced course introduces high-level general usage concepts for MPE/iX.

This self-paced course contains information on the following topics:

- Managing accounts, groups, and users.
- Managing files and using file equations.
- Creating, streaming, and monitoring batch jobs.
- Copying files with FCOPY and storing/restoring files.
- Creating and using user-defined commands and command files.
- Using variables and expressions.

Using HP 3000: Fundamental Skills Tutorial

Note: Files for Tutorial can be downloaded from
         http://jazz.external.hp.com/papers/

Part Number: 32650-90871

Functional Focus: Basic general usage

This self-paced course introduces basic general usage concepts for the HP e3000.

This self-paced course contains information on the following topics:

- Communicating with your computer.
- Hardware, software, and the keyboard.
- Using EDIT/3000 text files.
- Account and group structure and security.
- Renaming, storing, deleting, and copying files.
- Using command files.

5 Development Tools and Distributed Computing

The manuals in the Development Tools and Distributed Computing collection and the topics each manual documents are described on the following pages. Each manual documented in this chapter is identified in the following alphabetical listing, and the functional focus of the material it contains is identified.

Table 5-1. Development Tools and Distributed Computing

Manual Title/	Part Number
Accessing Files Programmer's Guide	32650-90885
ALLBASE NET User's Guide	36216-90101
ALLBASE/SQL Advanced Application Programming Guide	36216-90099
ALLBASE/SQL C Application Programming Guide	36216-90080
ALLBASE/SQL COBOL Application Programming Guide	36216-90081
ALLBASE/SQL Database Administration Guide	36216-90214
ALLBASE/SQL FORTRAN Application Programming Guide	36216-90079
ALLBASE/SQL Message Manual	36216-90218
ALLBASE/SQL Pascal Application Programming Guide	36216-90082
ALLBASE/SQL Performance and Monitoring Guidelines	36216-90103
ALLBASE/SQL Reference Manual	36216-90216
Asynchronous Serial Communications Programmer's Reference Manual	32022-90052
Berkeley Sockets/iX Reference Guide	32650-90372
Command Interpreter Access and Variables Programmer's Guide	32650-90493
Compiler Library/XL Reference Manual	32650-90029
Data Types Conversion Programmer's Guide	32650-90015
DCE for the HP e3000	B3821-90003
EDIT/3000 Reference Manual	32650-90385
Getting Started with HP IMAGE/SQL	36385-90011
Getting Started with HP Software Revision Controller (SRC)	30234-90002
Getting Started with TRANSACT	32247-90007
High-Level Screen Management Intrinsics Library (Hi-Li) Reference Manual	32424-90002

Table 5-1. Development Tools and Distributed Computing

Manual Title/	Part Number
HP ALLBASE Query User Guide	32426-64001
HP ALLBASE/BRW Reference Manual	35360-90052
HP ALLBASE/BRW SW Update Notice for MPE/iX (BRW A.01.50)	35360-90203
HP ALLBASE/BRW Tutorial	35360-90202
HP Browse/XL User's Guide	36384-90001
HP Business BASIC/XL Reference Manual	32715-90001
HP C Programmer's Guide	92434-90009
HP C/iX Library Reference Manual	30026-90004
HP C/iX Reference Manual	31506-90011
HP COBOL II/XL Programmer's Guide	31500-90014
HP COBOL II/XL Quick Reference Guide	31500-90015
HP COBOL II/XL Reference Manual	31500-90013
HP Data Entry and Forms Management System VPLUS Reference Manual	32209-90024
HP Driver for JDBC User's Manual	36216-90217
HP EDIT Quick Reference Guide	30316-90017
HP EDIT Reference Manual	30316-90016
HP FORTRAN 77/iX Programmer's Guide	31501-90022
HP FORTRAN 77/iX Reference	31501-90021
HP GlancePlus User's Manual (for MPE/iX Systems)	B1787-90008
HP IMAGE/SQL Administration Guide	36385-90012
HP Link Editor/iX Reference Manual	32650-90309
HP Link Editor/iX Technical Addendum	32650-90845
HP Pascal/iX Programmer's Guide	31502-90023
HP Pascal/iX Reference Manual	31502-90022
HP Performance Collection Software User's Manual	50700-90038
HP RPG/iX Programmer's Guide	30318-90001
HP RPG/iX Reference Manual	30318-90011
HP RPG/iX Reference Manual Software Update Notice	30318-90017
HP RPG/iX Utilities Reference Manual	30318-90006

Table 5-1. Development Tools and Distributed Computing

Manual Title/	Part Number
HP Software Revision Controller (SRC) Implementation Guide	30234-90003
HP Software Revision Controller (SRC) User's Guide	30234-90001
HP Software Revision Controller/XL Product Information Update	30234-90006
HP Symbolic Debugger/iX User's Guide	31508-90014
HP System Dictionary/XL COBOL Definition Extractor Reference Manual	32257-90001
HP System Dictionary/XL General Reference Manual (Volume 1)	32256-90004
HP System Dictionary/XL General Reference Manual (Volume 2)	32256-90005
HP System Dictionary/XL Intrinsics Reference Manual	32256-90002
HP System Dictionary/XL SDMAIN Reference Manual	32256-90001
HP System Dictionary/XL Utilities Reference Manual	32256-90003
HP TRANSACT Reference Manual	32247-90028
HP TRANSACT Quick Reference Guide	32247-90027
Interprocess Communication Programmer's Guide	32650-90019
ISQL Reference Manual for ALLBASE/SQL and IMAGE/SQL	36216-90095
KSAM/3000 Reference Manual	32650-90386
Learning HP EDIT	30316-90015
Message Catalogs Programmer's Guide	32650-90021
MPE Segmenter Reference Manual	30000-90011
MPE/iX AIF: OS Reference Manual	36374-90013
MPE/iX Developer's Kit Reference Manual (Volumes 1 and 2)	36430-90007 36430-90008
MPE/iX Intrinsics Reference Manual	32650-90905
MPE/iX Shell and Utilities Reference Manual (Volumes 1 and 2)	36431-90007 36431-90008
MPE/iX Shell and Utilities User's Guide	36431-90006
Native Language Programmer's Guide	32650-90207
ODBCLINK/SE Reference Manual	36217-90410
Process Management Programmer's Guide	32650-90023
QUERY/iX Reference Manual	32650-90889
Resource Management Programmer's Guide	32650-90024

Table 5-1. Development Tools and Distributed Computing

Manual Title/	Part Number
System Debug Reference Manual	32650-90901
Trap Handling Programmer's Guide	32650-90026
TurboIMAGE/XL Database Management System Reference Manual	30391-90012
Up and Running with ALLBASE/SQL	36389-90016
User Logging Programmer's Guide	32650-90027
Using KSAM XL and KSAM64	32650-90886
Using VPLUS/V: An Introduction to Forms Design	32209-90004

Development Tools and Distributed Computing

The following manuals deal with development in various languages and distributed computing.

Accessing Files Programmer's Guide

Part Number: 32650-90885

Functional Focus: High-level programming

This guide describes how programmers can create, open, close, read from, write to, and update files, as well as specify file characteristics and file security.

This guide contains information on the following topics:

- Creating, opening, and closing a file.
- Specifying file designators and file domains.
- Record selection and data transfer.
- Writing to, reading from, updating, and sharing files.
- Accessing a mapped file.

ALLBASE NET User's Guide

Part Number: 36216-90101

Functional Focus: System administration, programming, and basic general usage

This guide describes ALLBASE/NET, which allows an application on one HP MPE/iX machine to use ALLBASE/SQL on another HP MPE/iX or HP-UX machine.

This guide contains information on the following topics:

- Getting started with ALLBASE/NET.
- Setting up ALLBASE/NET on client and server systems.
- Using ALLBASE/SQL through ALLBASE/NET.
- NETUtil commands.

ALLBASE/SQL Advanced Application Programming Guide

Part Number: 36216-90099

Functional Focus: Application programming

This manual discusses ALLBASE/SQL embedded application programming topics.

This manual contains information on the following topics:

- Using New Data Integrity Features.
- Using Procedures in Application Programs.

- Using Parameter Substitution in Dynamic Statements.
- Preprocessing in Static Conversion Mode.
- Transaction Management with Multiple DBEnvironment Connections.
- COBOL Preprocessor Enhancements.
- Programming with Indicator Variables in Expressions.
- Tuning Performance with GENPLAN.
- Using Procedure Cursors with Multiple Row Result Sets.
- Flagging non-standard SQL with the FIPS Flagger.
- POSIX preprocessor invocation (MPE/iX only).
- Using the preprocessor to enable threaded applications (MPE/iX only).
- Using the preprocessor to specify a DBEFileSet for section storage.

ALLBASE/SQL C Application Programming Guide

Part Number: 36216-90080

Functional Focus: ALLBASE C application programming

This guide describes how to write a C program that accesses an HP SQL DBEnvironment.

This guide contains information on the following topics:

- Understanding and using the HP SQL C preprocessor.
- Embedding SQL commands.
- Using and declaring host variables.
- Run-time status checking and data manipulation.
- Sequential and BULK table processing.
- Dynamic operations.

ALLBASE/SQL COBOL Application Programming Guide

Part Number: 36216-90081

Functional Focus: ALLBASE COBOL application programming

This guide describes how to write a COBOL program that accesses an HP SQL DBEnvironment.

This guide contains information on the following topics:

- Understanding and using the HP SQL COBOL preprocessor.
- Embedding SQL commands.
- Using and declaring host variables.
- Run-time status checking and data manipulation.

- Sequential and BULK table processing.
- Dynamic operations.

ALLBASE/SQL Database Administration Guide

Part Number: 36216-90214

Functional Focus: ALLBASE database administration

This guide describes how to design, create, and maintain an HP SQL database.

This guide contains information on the following topics:

- Database administrator's tasks and tools.
- Logical and physical design of databases.
- DBEnvironment configuration and security.
- Database creation and security.
- Backup, recovery, and maintenance of databases.
- Controlling performance of databases.
- The ALLBASE/SQL system catalog.
- SQLUtil, SQLGEN, SQLMigrate, and SQLAudit commands.

ALLBASE/SQL FORTRAN Application Programming Guide

Part Number: 36216-90079

Functional Focus: ALLBASE FORTRAN application programming

This guide describes how to write a FORTRAN 77 program that accesses an HP SQL DBEnvironment.

This guide contains information on the following topics:

- Understanding/using the HP SQL FORTRAN preprocessor and programs.
- Embedding HP SQL commands.
- Using and declaring host variables.
- Run-time status checking and data manipulation.
- Sequential table processing.
- Dynamic operations.

ALLBASE/SQL Message Manual

Part Number: 36216-90218

Functional Focus: Database administration, high-level usage, and programming

This manual explains the causes of warning and error conditions that may occur while using SQL, ISQL, NETUtil, SQLUtil, SQLMigration, or their preprocessors.

This manual contains information on the following topics:

- Types of messages and how they are returned.
- ALLBASE/SQL error messages.

ALLBASE/SQL Pascal Application Programming Guide

Part Number: 36216-90082

Functional Focus: ALLBASE Pascal application programming

This guide describes how to write a Pascal program that accesses an HP SQL DBEnvironment.

This guide contains information on the following topics:

- Understanding and using the HP SQL Pascal preprocessor and programs.
- Embedding HP SQL commands.
- Using and declaring host variables.
- Run-time status checking and data manipulation.
- Sequential and BULK table processing.
- Dynamic operations and programming for performance.

ALLBASE/SQL Performance and Monitoring Guidelines

Part Number: 36216-90103

Functional Focus: ALLBASE database administration

This guide describes how to improve the performance of your ALLBASE/SQL database.

This guide contains information on the following topics:

- Improving performance through logical and physical data design.
- Writing queries and transactions for best performance.
- Administering the database for best performance.
- Tuning your operating system for best performance with ALLBASE/SQL.
- Troubleshooting performance problems with SQLMON, an online tool for monitoring the activity of a DBEnvironment.
- Using the SQLMON screens and commands.

ALLBASE/SQL Reference Manual

Part Number: 36216-90216

Functional Focus: ALLBASE database creation, maintenance, and programming

This manual presents the syntax and semantics of SQL, the language used to define, access, and maintain data in an ALLBASE/SQL database.

This manual contains information on the following topics:

- Understanding and using HP SQL.
- ALLBASE/SQL queries.
- ALLBASE/SQL names, data types, expressions, and search conditions.
- ALLBASE/SQL commands.

Asynchronous Serial Communications Programmer's Reference Manual

Part Number: 32022-90052

Functional Focus: Programming

This manual describes the relationship between I/O software and asynchronous devices, including information on special characters, block mode processing, and programmatically accessing terminals and printers.

This manual contains information on the following topics:

- Asynchronous serial communications and the distributed terminal subsystem.
- Controlling asynchronous devices programmatically.
- Input/output programming guidelines.
- Calling intrinsics from a program.

Berkeley Sockets/iX Reference Manual

Part Number: 32650-90372

Functional Focus: Programming

This manual describes the Berkeley Sockets used for porting applications from a HP-UX to an MPE system.

This manual contains information on the following topics:

- Socket system calls.
- File system intrinsics.
- Name service routines.
- Include files and references used.

Command Interpreter Access and Variables Programmer's Guide

Part Number: 32650-90493

Functional Focus: Programming

This guide describes the utilities and tools available to programmers by invoking the command interpreter (CI) or directly through user commands.

This guide contains information on the following topics:

- Using commands programmatically.
- Controlling variables.
- Controlling job control words.
- Identifying parameter input.

Compiler Library/XL Reference Manual

Part Number: 32650-90029

Functional Focus: High-level programming

This manual describes the mathematical/utility functions and procedures available on the MPE/iX operating system.

This manual contains information on the following topics:

- Mathematical functions and procedures.
- Utility procedures.
- Packed-decimal procedures.

Data Types Conversion Programmer's Guide

Part Number: 32650-90015

Functional Focus: High-level programming

This guide provides information on the data types available and how to convert between them.

This guide contains information on the following topics:

- Data types and character codes.
- ASCII, EBCDIC, INTEGER, decimal, and real data types.
- Using data type conversion intrinsics.

DCE for the HP e3000

Part Number: 36386-90003

Functional Focus: Programming

This document was designed to capture DCE/3000 application operating differences, as compared to the DCE/9000 application, when using it on an HP e3000 MPE/iX Operating System.

EDIT/3000 Reference Manual

Part Number: 32650-90385

Functional Focus: General usage

This manual explains the structure and operation of EDIT/3000. It also explains

EDIT/3000 commands and how to use them to create and modify EDIT/3000 files.

This manual contains information on the following topics:

- EDIT/3000 features, editing modes, and file definitions.
- Initializing, running, and terminating EDIT/3000 in interactive sessions and batch jobs.
- EDIT/3000 commands and their use.
- Customizing EDIT/3000 on your system.

Getting Started with HP IMAGE/SQL

Part Number: 36385-90011

Functional Focus: System operations

This guide explains how to start using IMAGE/SQL.

This guide contains information on the following topics:

- Introduction to IMAGE/SQL.
- Basic concepts and tasks.
- Transition from TurboIMAGE/XL to IMAGE/SQL.
- Sample database.
- Database setup using ISQL.
- DBEnvironment configuration.
- IMAGE/SQL environment restoring.
- Available tools.

Getting Started with HP Software Revision Controller (SRC)

Manual Part Number: 30234-90002

Functional Focus: High-level programming

This manual introduces using the HP Software Revision Controller (SRC).

This manual contains information on the following topics:

- Understanding and using HP SRC.
- Manipulating file sets.
- Using HP SRC with COBOL.
- Setting security.

Getting Started with TRANSACT

Part Number: 32247-90007

Functional Focus: Programming

This manual provides programming examples for the features of TRANSACT, a high-level programming language for transaction processing applications.

This manual contains information on the following topics:

- Getting started with TRANSACT.
- Using character mode I/O and IMAGE.
- Using VPLUS and IMAGE.
- Using KSAM and MPE/iX.
- Automatic error handling, prototyping, and data structures.
- Using TRANSACT without Dictionary/3000.
- Creating custom applications.

High-Level Screen Management Intrinsics Library (Hi-Li) Reference Manual

Part Number: 32424-90002

Functional Focus: Programming

This manual discusses using Hi-Li to transfer data between applications and most HP terminals and data capture devices on the MPE/iX. Hi-Li is used by programmers in conjunction with FORMSPEC, the VPLUS forms file designer.

This manual contains information on the following topics:

- Using Hi-Li.
- Screen management intrinsics.
- Hi-Li intrinsics.
- Data mapping methods.

HP ALLBASE Query User Guide

Part Number: 32426-64001

Functional Focus: General usage

This manual describes tasks and provides a reference for users of ALLBASE/Query.

This manual contains information on the following topics:

- HP ALLBASE/Query models.
- Relational databases.
- Structured Query languages.
- Terms.
- Starting up HP ALLBASE/Query.
- Using ALLBASE/Query on HP/UX and on MPE/iX.

- EZAccess tutorial.

- SQLAccess tutorial.

- EZReport tutorial.

- EZCreate tutorial.

- Commands syntax.

- Error messages.

HP ALLBASE/BRW Reference Manual

Part Number: 35360-90052

Functional Focus: Programming

This manual provides technical information about HP ALLBASE/BRW, a high performance business report writing system for information management professionals. Its ease-of-use significantly reduces the time needed for report development..

This manual contains information on the following topics:

- Overview of ALLBASE/BRW.

- Communicating with BRW.

- Report writing with BRW.

- Defining data access.

- Defining report layout, sorts, break, and pagination.

- Defining data selection.

- Saving and compiling a report.

- Requesting reports.

- Multi-pass reporting.

- BRW-Desk/XL calculations

- Screen descriptions.

- Configuration and security.

HP ALLBASE/BRW Software Update Notice for MPE/iX (BRW A.01.50)

Part Number: 35360-90203

Functional Focus: Programming

This manual contains uptodate information on the ALLBASE/BRW Software.

HP ALLBASE/BRW Tutorial

Part Number: 35360-90202

Functional Focus: General usage

This manual describes step-by-step training for BRW.

This manual contains information on the following topics:

- Getting started.
- Creating a simple report.
- Refining the report.
- Performance considerations.

HP Browse/XL User's Guide

Part Number: 36384-90001

Functional Focus: Programming and general usage

This guide provides complete information on how to use HP Browse/XL.

This guide contains information on the following topics:

- Introducing HP Browse/XL.
- Using HP Browse/XL.
- Function keys.
- Table of character key assignments.
- Error and warning messages.

HP Business BASIC/XL Reference Manual

Part Number: 32715-90001

Functional Focus: High-level BASIC programming

This manual discusses the HP Business BASIC/XL programming language.

This manual contains information on the following topics:

- The program development environment for HP Business BASIC/XL.
- HP Business BASIC/XL language elements, statements, and functions.
- Using report writer block statements and built-in functions.
- User-definable keys.
- Using the compiler.

HP C Programmer's Guide

Part Number: 92434-90009

Functional Focus: High-level C programming

This guide provides a discussion of selected HP C topics.

This guide contains information on the following topics:

- Introducing HP C.
- HP C storage and alignment comparisons.
- The optimizer.
- Debugging HP C programs.
- Programming for portability.
- Migrating HP C programs.

HP C/iX Library Reference Manual

Part Number: 30026-90004

Functional Focus: High-level C programming

This manual contains the standard library and math library functions for HP C/iX on the HP e3000.

This manual contains information on the following topics:

- Organization of, and use of the HP C/iX library.
- Standard library functions.
- Math library functions.

HP C/iX Reference Manual

Part Number: 31506-90011

Functional Focus: High-level C programming

This manual discusses the HP C/iX programming language.

This manual contains information on the following topics:

- HP C/iX lexical elements, data types, and declarations.
- HP C/iX type conversions, expressions, and statements.
- HP C/iX preprocessor directives and library functions.
- Compiling and running HP C/iX programs.
- Implementing HP C/iX.
- Using HP C/iX intrinsics and the listing facility.

HP COBOL II/XL Programmer's Guide

Part Number: 31500-90014

Functional Focus: High-level COBOL programming

This guide explains COBOL II/XL features, programming practices, and interprogram communication.

This guide contains information on the following topics:

- ANSI 85 features.
- Programming practices, subprograms, and intrinsics.
- Manipulating files, file types, and file codes.
- Compiling, linking, and executing programs.
- Debugging a program.

HP COBOL II/XL Quick Reference Guide

Part Number 31500-90015

Functional Focus: High-level COBOL programming

This quick reference guide is a programmer's reference tool that condenses much of the key information needed to write, compile, prepare, and execute COBOL II programs.

This quick reference guide contains information on the following topics:

- Preprocessor commands and $CONTROL options.
- COBOL II program format.
- COBOL II procedure division statement formats.
- COBOL reserved word list.

HP COBOL II/XL Reference Manual

Part Number: 31500-90013

Functional Focus: High-level COBOL programming

This manual is the reference for writing COBOL II source programs, compiling them into object programs, linking, and executing them.

This manual contains information on the following topics:

- Program structure and elements.
- Describing and referencing data.
- IDENTIFICATION, ENVIRONMENT, DATA, and PROCEDURE DIVISION.
- PROCEDURE DIVISION statements.
- Interprogram communications and source text manipulation.
- SORT/MERGE operations and debug operations.

HP Data Entry and Forms Management System VPLUS Reference Manual

Part Number: 32209-90024

Functional Focus: Programming

This manual describes using VPLUS to enter data with ENTRY, design forms with FORMSPEC, reformat specifications with REFSPEC, and using FORMSPEC in batch mode.

This manual contains information on the following topics:

- Entering data with ENTRY.
- Designing forms with FORMSPEC.
- Advanced Forms Design
- Reformatting specifications using REFSPEC.
- VPLUS/iX intrinsics.
- Using FORMSPEC in batch mode.
- Native language support.
- Sample Programs
- VPLUS Error Messages

HP EDIT Quick Reference Guide

Part Number: 30316-90017

Functional Focus: Programming

This quick reference guide lists each HP EDIT command and its syntax.

This quick reference guide contains information on the following topics:

- System management.
- Cursors and windows.
- Text entry and alteration.
- Text formatting and text location.
- Macros and the calculator.
- Configuration and printing.

HP EDIT Reference Manual

Part Number: 30316-90016

Functional Focus: Programming

This manual provides information on using the HP EDIT text editor.

This manual contains information on the following topics:

- Getting started with HP EDIT.
- Conducting an editing session.
- Understanding the types of HP EDIT commands.
- Using HP EDIT commands.

HP FORTRAN 77/iX Programmer's Guide

Part Number: 31501-90022

Functional Focus: High-level FORTRAN programming

This guide provides detailed information about specific HP FORTRAN 77/iX programming tasks.

This guide contains information on the following topics:

- Using data storage and formatted input/output.
- HP FORTRAN 77/iX file operations and subprograms.
- Writing efficient programs and tuning performance.
- Interfacing with other languages.
- Using the compiler directives.
- Debugging programs and using system intrinsics.

HP FORTRAN 77/iX Reference

Part Number: 31501-90021

Functional Focus: High-level FORTRAN programming

This manual is a reference for the HP FORTRAN 77 programming language as implemented on the MPE/iX operating system. All information required for using HP FORTRAN 77/iX is included in this manual.

This manual contains information on the following topics:

- FORTRAN language elements and statements.
- Input/output and file handling.
- Compiling and running HP FORTRAN 77/iX programs.
- Compiler directives.
- Interfacing with non-FORTRAN subprograms.
- Trapping run-time errors and data format in memory.

HP GlancePlus User's Manual

Part Number: B1787-90008

Functional Focus: Programming

This manual describes the use of HP GlancePlus for MPE/iX, an online diagnostic tool that you can use to monitor system activity and troubleshoot system performance problems..

HP IMAGE/SQL Administration Guide

Part Number: 36385-90012

Functional Focus: System operations

This guide explains how to administer and maintain HP IMAGE/SQL. It assumes knowledge of IMAGE/SQL.

This guide contains information on the following topics:

- Administrative tasks with step-by-step directions.
- Concepts and functionality.
- Utility commands.
- Locks and deadlocks.
- Transactions, repeatable reads, and aborted transactions.
- Error messages.
- SQL statement restrictions with TurboIMAGE/XL datasets.

HP Link Editor/iX Reference Manual

Part Number: 32650-90309

Functional Focus: High-level programming

This manual describes the HP Link Editor/iX utility for programmers to link programs or manipulate relocatable or executable library files.

This manual contains information on the following topics:

- Using HP Link Editor/iX.
- Linking relocatable object files and relocatable and executable libraries.
- Using HP Link Editor/iX files and commands.
- Creating executable programs.
- Using and maintaining relocatable and executable libraries.

HP Link Editor/iX Technical Addendum

Part Number: 32650-90845

Functional Focus: High-level programming

This addendum contains additional technical information on the HP Link Editor/iX.

HP Pascal/iX Programmer's Guide

Part Number: 31502-90023

Functional Focus: High-level Pascal programming

This guide discusses HP Pascal/iX compiler options, and how the compiler works on the MPE/iX and HP-UX operating systems.

This guide contains information on the following topics:

- Program structure and input/output.

- Predefined Pascal/iX constants, data types, and modules.

- Program allocation and alignment.

- Dynamic variables, parameters, and procedure options.

- External routines, intrinsics, error recovery, and debugging.

- The optimizer.

HP Pascal/iX Reference Manual

Part Number: 31502-90022

Functional Focus: High-level Pascal programming

This manual provides information about HP Pascal/iX and its system programming extensions.

This manual contains information on the following topics:

- Language elements, data types, and expressions.

- Declaration sections and statements.

- Program structure, procedures, and functions.

- Predefined routines.

- Input/output and system programming extensions.

HP Performance Collection Software User's Manual

Part Number: 50700-90038

Functional Focus: General usage

This manual describes how to use the collection and management software that runs on the host HP e3000 system.

This manual contains information on the following topics:

- Installation of the HP Performance Collection Software.

- Overview of the HP Performance Collection Software.

- Details on data collection (SCOPE) and Data Management (UTILITY and EXTRACT)

- Archiving Strategies and Perforance Alarms.

HP RPG/iX Programmer's Guide

Part Number: 30318-90001

Functional Focus: High-level RPG programming

This guide explains how to perform many of the common programming functions in RPG/iX.

This guide contains information on the following topics:

- Creating RPG/iX programs.
- Using disk files and a terminal in an RPG/iX program.
- Processing data in RPG/iX programs.
- Compiling and executing RPG/iX programs.
- Communicating with MPE and other RPG programs.
- Writing efficient RPG/iX programs.

HP RPG/iX Reference Manual

Part Number: 30318-90011

Functional Focus: High-level RPG programming

This manual explains the language features of RPG/iX.

This manual contains information on the following topics:

- Using RPG/iX.
- RPG/iX specification fields.
- The RPG/iX interface to VPLUS.
- The RPG/iX screen interface.
- The RPG/iX compiler.

HP RPG/iX Reference Manual Software Update Notice

Part Number: 30318-90017

Functional Focus: High-level RPG programming

This technical addendum is an interim document that provides customers and support personnel with the latest information in advance of the next formal revision to HP RPG/XL documentation..

HP RPG/iX Utilities Reference Manual

Part Number: 30318-90006

Functional Focus: High-level RPG programming tools

This manual consists of four complete tools manuals for four independent RPG/iX subsystems.

This manual contains information on the following topics:

- Using the RPGINIT utility.
- Using the SIGEDITOR utility, including the application help facility.
- The application help facility.

- RISE utility features, commands, and recovery procedures.
- XSORT features, specifications, commands, and applications.

HP Software Revision Controller (SRC) Implementation Guide

Manual Part Number: 30234-90003

Functional Focus: High-level programming

This guide describes implementing the HP Software Revision Controller (HP SRC).

This guide contains information on the following topics:

- HP SRC implementation and configuration analysis.
- Implementing HP SRC.
- Additional HP SRC models.

HP Software Revision Controller (SRC) User's Guide

Part Number: 30234-90001

Functional Focus: High-level programming

This guide provides information on the purpose and function of the HP Software Revision Controller, as well as the information needed to use HP SRC.

This guide contains information on the following topics:

- The HP SRC environment.
- Using HP SRC.
- Branching and merging.
- HP SRC commands.

HP Symbolic Debugger/iX User's Guide

Part Number: 31508-90014

Functional Focus: High-level programming

This guide discusses the functions of the Symbolic Debugger/iX and how to debug computer programs.

This guide contains information on the following topics:

- Getting started and using the symbolic debugger/iX program.
- Symbolic debugger/iX commands.
- Symbolic debugger/iX quick reference guide.

HP System Dictionary/XL COBOL Definition Extractor Reference Manual

Part Number: 32257-90001

Functional Focus: Dictionary administration and COBOL programming

This manual provides instructions and reference information for the operation of the system dictionary COBOL definition extractor (SDCDE) utility.

This manual contains information on the following topics:

- Using the COBOL definition extractor.
- Running the SDCDE program.
- SDCDE commands.
- Generating source definitions.
- Record layout and generating data definition clauses and comments.

HP System Dictionary/XL General Reference Manual (Volume 1)

Part Number: 32256-90004

Functional Focus: Dictionary administration and programming

This volume of the *HP System Dictionary/XL General Reference Manual* provides tutorial information about the system dictionary including concepts, conventions, and use restrictions.

This volume contains information on the following topics:

- Data dictionaries, operating environment, language, and subsystem support.
- Dictionary concepts and architecture.
- Dictionary domains and versions.
- Dictionary security and dictionary core set.
- TurboIMAGE, HP IMAGE, and HP SQL subsystem support.

HP System Dictionary/XL General Reference Manual (Volume 2)

Part Number: 32256-90005

Functional Focus: Dictionary administration and programming

This volume of the *HP System Dictionary/XL General Reference Manual* provides instructions and reference material on the system dictionary initialization program (SDINIT), and the SDCONV, SDUTIL, and SDUPGRAD utilities.

This volume contains information on the following topics:

- Using the SDINIT program and how to run it.
- Using the SDUPGRAD program and how to run it.
- Using the SDCONV program, its commands, and how to run it.

- Using the SDUTIL program, its commands, and how to run it.

HP System Dictionary/XL Intrinsics Reference Manual

Part Number: 32256-90002

Functional Focus: Dictionary administration

This manual provides information about the system dictionary architecture and security scheme, a description of every system dictionary intrinsic, and program examples.

This manual contains information on the following topics:

- System dictionary operating environment, and language and subsystem support.
- Programming considerations.
- Parameter descriptions for Pascal, COBOL, and FORTRAN.
- Dictionary intrinsic descriptions.

HP System Dictionary/XL SDMAIN Reference Manual

Part Number: 32256-90001

Functional Focus: General usage

This manual includes information on the system dictionary user interface, how to run the SDMAIN program, and how to use the system dictionary commands and command language.

This manual contains information on the following topics:

- Understanding and running the SDMAIN program.
- Using the system dictionary command language.
- System dictionary commands.

HP System Dictionary/XL Utilities Reference Manual

Part Number: 32256-90003

Functional Focus: Dictionary administration and general usage

This manual includes instructions and reference information on the system dictionary SDDBD, SDDBC, and SDVPD utilities.

This manual contains information on the following topics:

- Running the SDDBD program, its commands, and loading process.
- Running the SDDBC program, its commands, and creation process.
- Running the SDVPD program, its commands, and loading process.

HP TRANSACT Quick Reference Guide

Part Number: 32247-90027

Functional Focus: Programming

HP TRANSACT Reference Manual

Part Number: 32247-90028

Functional Focus: Programming

This manual describes TRANSACT, a high-level programming language for transaction processing applications.

This manual contains information on the following topics:

- The TRANSACT language.
- TRANSACT programs.
- TRANSACT data storage registers.
- Running TRANSACT.
- TRANSACT verbs.
- TRANSACT test facility.
- TRANSACT/XL debug facility, TRANDEBUG.

Interprocess Communication Programmer's Guide

Part Number: 32650-90019

Functional Focus: High-level programming

This guide describes how to use the file system facility, which enables various user programs to communicate with each other.

This guide contains information on the following topics:

- Using interprocess communications.
- Using job control words and other variables with IPC.
- Using file system intrinsics with IPC.
- NOWAIT I/O.
- Software interrupts.
- Interprocess communications using the mail facility.

ISQL Reference Manual for ALLBASE/SQL and IMAGE/SQL

Part Number: 36216-90095

Functional Focus: ALLBASE database administration and programming

This manual describes how to use ISQL, a facility for executing SQL commands interactively.

This manual contains information on the following topics:

- Users and elements of ISQL and native language support.
- Using ISQL.
- Managing ISQL transactions, files, and modules.
- ISQL commands.

KSAM/3000 Reference Manual

Part Number: 32650-90386

Functional Focus: Database programming

This manual provides information on keyed sequential access method (KSAM), a method of accessing files indexed by keys.

This manual contains information on the following topics:

- KSAM/3000 features and using KSAM files.
- KSAMUTIL and FCOPY utilities.
- KSAM files in COBOL, SPL, FORTRAN, and BASIC programs.
- Calling KSAM procedures.
- Calling file system intrinsics.

Learning HP EDIT

Part Number: 30316-90015

Functional Focus: Programming

This is a self-paced tutorial for learning HP EDIT.

This self-paced tutorial contains information on the following topics:

- Getting started with HP EDIT.
- Creating, modifying, and keeping text using HP EDIT.
- Positioning the cursor in HP EDIT.
- Modifying text and undoing input within HP EDIT.
- Searching and replacing text using HP EDIT.
- Copying and moving text blocks using HP EDIT.

Message Catalogs Programmer's Guide

Part Number: 32650-90021

Functional Focus: High-level programming

This guide describes the system message facility and application message facility.

This guide contains information on the following topics:

- Using message catalogs.

- Creating, accessing, and modifying application message catalogs.
- Accessing system error messages.
- Creating your own help facility.
- The GENCAT message application catalog utility.

MPE Segmenter Reference Manual

Part Number: 30000-90011

Functional Focus: Programming

This manual describes the MPE segmenter in compatibility mode for managing shared code stored in library files and to control the segmentation of program code.

This manual contains information on the following topics:

- Virtual memory and segmentation.
- Using the segmenter.
- Managing user subprogram, relocatable, and segmented library files.
- Strategies for using the segmenter.
- Specifying commands and intrinsics.

MPE/iX AIF OS Reference Manual

Part Number: 36374-90013

Functional Focus: Programming

This manual provides the commands, status messages, data structures, and programming examples used in the MPE/iX Architected Interface Facility (AIF). The AIF provides reliable, high-performance development tools for the MPE/iX HP e3000 system management suppliers. The AIF provides specialized procedures for use by software suppliers and internal and external solution creators. In order to use the AIF, it is necessary to have either the HP Pascal/iX or HP C/iX compilers.

AIFs do not provide new operating system functionality, but instead provide supported mechanisms for taking advantage of existing MPE/iX functionality and data structures.

MPE/iX Developer's Kit Reference Manual (Volume 1)

Part Number: 36430-90007

Functional Focus: High-level C programming

This manual describes the POSIX/iX library.

This manual contains information on the following topics:

- Using the library.
- Implementation considerations.
- Function descriptions.

- Header descriptions.

MPE/iX Developer's Kit Reference Manual (Volume 2)

Part Number: 36430-90008

Functional Focus: High-level C programming

This manual describes the supplemental POSIX/iX library.

This manual contains information on the following topics:

- SVID IPC library function descriptions interprocess communication services
- TERMINFO database for terminal and printer capabilities
- CURSES routines and macros

MPE/iX Intrinsics Reference Manual

Part Number: 32650-90905

Functional Focus: Programming

This manual describes system intrinsics and the intrinsics mechanism.

This manual contains information on the following topics:

- Introduction to and general information of MPE/iX intrinsics.
- Intrinsic parameters and their descriptions.
- Operational use of intrinsics.

MPE/iX Shell and Utilities Reference Manual (Volumes 1 and 2)

Volume 1 Part Number: 36431-90007

Volume 2 Part Number: 36431-90008

Functional Focus: High-level C programming

This manual is a two-volume set. The first volume describes the MPE/iX shell commands and utilities alphabetically (A through P).

The second volume contains information on the following topics:

- Shell command and utility descriptions alphabetically from Q through Z
- C Runtime library functions
- File format descriptions
- Implementation considerations

MPE/iX Shell and Utilities User's Guide

Part Number: 36431-90006

Functional Focus: Programming

This manual introduces the various components of MPE/iX Shell and Utilities through a series of tutorials and guides.

This manual contains information on the following topics:

- Command overview.
- MPE/iX Shell tutorial.
- AWK tutorial (AWK is a programming language, a report-generating program, a utility for examining files, and more).
- Vi tutorial.
- LEX and YACC programs.
- Make software management tool.
- RCS (Revision Control System).

Native Language Programmer's Guide

Part Number: 32650-90207

Functional Focus: High-level programming

This guide describes how to localize programs for a particular country or language and how to perform the necessary conversions.

This guide contains information on the following topics:

- Supported native languages and their character sets.
- Native language support in the subsystems.
- Application programs accessing NLS.

ODBCLINK/SE Reference Manual

Part Number: 36217-90410

Functional Focus: Database administration

This manual provides the technical information for ODBCLink/SE which is

an implementation of Microsoft's Open Database Connectivity (ODBC)

interface than enables Microsoft Windows based application and tools to

access, in a client-server environment, IMAGE/SQL on the HP e3000 and

ALLBASE/SQL on the HP e3000 and HP 9000.

Process Management Programmer's Guide

Part Number: 32650-90023

Functional Focus: High-level programming

This guide describes various programming techniques for process management with MPE/iX.

This guide contains information on the following topics:

- Defining processes.
- Process handling using different capabilities.
- Creating, activating, suspending, delaying, deleting, and interrogating processes.
- Deadlock considerations.
- Creating and aborting sessions programmatically.

QUERY/iX Reference Manual

Part Number: 32650-90889

Functional Focus: TurboIMAGE usage

This manual describes QUERY/iX, a database inquiry facility that enables access to data in IMAGE/TurboIMAGE databases.

This manual contains information on the following topics:

- The structure of databases, modes of access, passwords, and character sets.
- QUERY/iX in session and job mode.
- Locating, modifying, and reporting data.
- QUERY/iX commands.

Resource Management Programmer's Guide

Part Number: 32650-90024

Functional Focus: High-level programming

This guide describes resource management tasks available.

This guide contains information on the following topics:

- Managing shared resources with resource identification numbers (RINs).
- Using global and local RINs.
- Deadlock considerations.
- Dynamic loading of native mode executable library procedures.

System Debug Reference Manual

Part Number: 32650-90901

Functional Focus: Programming

This reference manual provides information about MPE/iX System Debug, dump analysis tool (DAT), and standalone analysis tool (SAT), a family of low-level assembly language debugging tools for MPE/iX.

This manual contains information on the following topics:

- How to debug CM and NM programs.
- System Debug user interfaces.
- System Debug commands and intrinsics.
- Dump analysis tool (DAT) and standalone analysis tool (SAT) user's guides.
- DAT/Debug command specifications.

Trap Handling Programmer's Guide

Part Number: 32650-90026

Functional Focus: High-level programming

This guide provides information on the creation of traps and trap handling.

This guide contains information on the following topics:

- Defining traps.
- Trap handling intrinsics.
- Arithmetic, code-related, and Control-Y traps.
- Software library and software system traps.

TurboIMAGE/XL Database Management System Reference Manual

Part Number: 30391-90012

Functional Focus: TurboIMAGE usage

This manual describes the TurboIMAGE/XL database management system for the HP 3000 MPE/iX.

This manual contains information on the following topics:

- Database structure and protection.
- Defining, creating, accessing, manipulating, and using a database.
- Library procedures.
- Host language access.
- Logging and recovery.
- Using remote databases and database utilities.
- Internal structures.
- Jumbo Data Sets
- B-Tree Indices
- Dynamic Master Data Set Expansion
- Dynamic Roll-Back of Multiple Database Transactions
- Support for TurboSTORE/iX 7x24 True-Online Backup in DBRECOV

Up and Running With ALLBASE/SQL

Part Number: 36389-90016

Functional Focus: General database usage

This manual is a basic guide for users who are new to ALLBASE/SQL or relational database concepts.

This manual contains information on the following topics:

- Basic tools and concepts for databases.

- Designing and creating a database.

- Comparing ALLBASE/SQL with TurboIMAGE/XL.

- Glossary of database terms.

User Logging Programmer's Guide

Manufacturing Part Number: 32650-90027

Functional Focus: High-level programming

This guide describes how to document additions and modifications to databases and subsystem files by using the user logging facility.

This guide contains information on the following topics:

- User logging intrinsics and commands.

- The user logging process.

- User logging in an application.

- Recovering data after a system failure.

Using KSAM XL and KSAM 64

Part Number: 32650-90886

Functional Focus: Database programming

This manual describes using KSAM XL and KSAM 64 files on the MPE/iX operating system.

This manual contains information on the following topics:

- The KSAM XL and KSAM 64 file format.

- Creating, opening, and closing a KSAM XL or KSAM 64 file.

- Obtaining file information.

- Reading KSAM XL or KSAM 64 file data and writing/updating record data.

- Verifying KSAM XL or KSAM 64 operations.

- Protecting data in KSAM XL or KSAM 64 files.

Using VPLUS: An Introduction to Forms Design

Part Number: 32209-90004

Functional Focus: High-level general usage

This manual provides information for users who are not programmers but who want to learn how to design forms for data entry.

This manual contains information on the following topics:

- Using VPLUS.

- Designing and using a simple form.

- Performing simple and full field edits.

- Adding a new form and specifying calculated values.

- Using the save fields and understanding phases.

- Using the save fields and frozen/repeating forms.

6 High Availability

The topics each manual documents are described on the following pages. Each manual documented in this chapter is identified in the following alphabetical listing, and the functional focus of the material it contains is identified.

Table 6-1. High Availability

Manual Title	Part Number
Auto/Restart/XL User's Guide	36375-90004
High Availability Cluster/iX Manual	B9480-90001
High Availability FailOver/iX Manual	32650-90899
Installation/Upgrade Procedures for SharePLEX	B3933-90005
Mirrored Disk/iX User's Guide	30349-90005
NBSpool for MPE Reference Guide	B3933-90002
NBSpool Release Notes Version 9.7	B3933-90008
NetBase for MPE Reference Guide	B3933-90001
NetBase Release Notes Version 9.7	B3933-90007
NetBase SQL Shadowing Handbook	B3482-90006
VISTA Plus for MPE Administrators Guide	B3933-90004
VISTA Plus for MPE User's Guide	B3933-90003
VISTA Release Notes Version A.07	B3933-90006

High Availability

The following manuals deal with aspects of high availability.

AutoRestart/XL User's Guide

Part Number: 36375-90004

Functional Focus: System administration

This guide describes how to install and use AutoRestart/XL, a software product for use on the HP e3000 computer systems. AutoRestart/XL performs automatic system restart and dump to disk in the event of a system failure.

This guide contains information on the following topics:

- How to install AutoRestart/XL.
- How to configure and manage the dump to disk feature.
- How to configure and manage the autoboot feature.

High Availability Cluster/iX Manual

Part Number: B9480-90001

Functional Focus: System administration

The Cluster/iX product allows multiple computers to physically connect to a single set of disks, which are configured using the Cluster/iX utility to control cluster volume sets. In the event that the owner computer encounters a failure, another computer in the cluster can take over ownership of the cluster volume set..

This guide contains information on the following topics:

- How to install Cluster/iX.
- Requirements
- Configuration.
- SXOutil

High Availability FailOver/iX Manual

Part Number: 32650-90899

Functional Focus: System administration

This guide describes how to install and use the High Availability FailOver/iX product for use on the HP e3000 computer systems.

This guide contains information on the following topics:

- How to install High Availability FailOver/iX.
- How to configure High Availability FailOver/iX.

- How to monitor the High Availability FailOver/iX.
- How to recover from a FailOver.

Installation/Upgrade procedures for SHAREPLEX

Part Number: B3933-90005

Functional Focus: System administration

Mirrored Disk/iX User's Guide

Part Number: 30349-90005

Functional Focus: System administration

This guide provides step-by-step procedures for installing and maintaining mirrored disks and performing split-volume backups.

This guide contains information on the following topics:

- Creating a mirrored disk volume set.
- Performing split-volume backups.
- Recovering from disk failures.
- Referencing mirrored disk commands.

NBSpool for MPE Reference Guide

Part Number: B3933-90002

Functional Focus:

This reference guide discusses NBSpool for MPE/iX. NBSpool automates the management of spool files generated by all applications and distributes the printing function across networks and printer devices. Included in this guide:

- Installation, configuration, and network printing
- Administrative commands, UDCs, security, subset parameters, variable substitution, and command redirection
- Input and output commands
- Background processing
- Banners
- Error messages

NBSpool Release Notes Version 9.7

Part Number: B3933-90008

Functional Focus: System Administration

These release notes describe the enhancements released in NBSpool 9.7.

NetBase for MPE Reference Guide

Part Number: B3933-90001

Functional Focus: Network Management

This guide describes the NetBase Services. These services allow a network of Hewlett Packard commercial computers to work together as one large system. The following topics are discussed in the guide:

- Installation and troubleshooting
- NetBase and third party products
- NetBase components and commands
- NetBase Spooling, AutoRPM, Statistics
- System operations and maintenance
- NetBase Shadowing
- Network File Access

NetBase Release Notes Version 9.7

Part Number: B3933-90007

Functional Focus: Network Management

These release notes describe the enhancements in NetBase Version 9.7: Shadowing, Installation, and Configuration.

NetBase SQL Shadowing Handbook

Part Number: B3482-90006

Functional Focus: Database administration

The purpose of this handbook is to address the issues of customers who are interested in SQL shadowing without using any of the other NetBase features.

VISTA Plus for MPE Administrator's Guide

Part Number: B3933-90004

Functional Focus: System administration

VISTA and VISTA Plus are electronic report management applications that allow you to view production reports. This guide describes VISTA administration tasks for VISTA, VISTA Plus for MPE, and VISTA Plus for Windows MPE.

VISTA Plus for MPE User's Guide

Part Number: B3933-90003

Functional Focus: System Administration

VISTA and VISTA Plus are electronic report management applications that allow you to

view production reports. This guide teaches you the fundamentals of working with VISTA Plus.

VISTA Release Notes Version A.07

Part Number: B3933-90006

Functional Focus: System administration

These release notes describe the enhancements in VISTA release A.07.

7 System Hardware and Diagnostics

The topics each manual documents are described on the following pages. Each manual documented in this chapter is identified in the following alphabetical listing, and the functional focus of the material it contains is identified.

System Hardware and Diagnostics Manuals

The following manuals describe the Hardware and Diagnostics available for the MPE/iX operating system.

CPU Upgrade Manual (9x9KS Servers)

Part Number: A2375-90012

Functional Focus: System hardware

This manual contains technical information about HP 9000 and HP 3000 for the K-Class Servers.

Expansion Cabinet Installation Guide (99x Family)

Part Number: A1809-90006

Functional Focus: System installation

This guide contains technical information about expansion cabinets for HP 3000 Corporate Business Systems (99x Family) and HP 9000 Corporate Enterprise Servers (T-Class), and is intended for experienced Hewlett-Packard customer service personnel.

Firmware Update Guide (99x Family)

Part Number: A1820-90002

Functional Focus: System operation

This guide contains technical information about HP 3000 Corporate Business Servers (99x Family) and HP 9000 Corporate Business Servers (T-Class), and is intended for experienced system operators.

Firmware Update Quick Reference(99x/T-Class)

Part Number: A1820-90003

Functional Focus: System operations

This sheet is a quick reference for updating firmware (SP, PDC, and PSCM) on the Service Processor (SP) card in 99x/T-Class Systems. It does not contain detailed information.

HP 3000 & HP 9000 PA-RISC Customer Computer Support Log

Part Number: 09740-96033

Functional Focus: System Administrators and System Operators

This log is used to record the complete operating, preventive maintenance, repair, and upgrade history of each individual system.

This log contains the following sections to record and file important system information:

- Available Services.

- Hardware Historical Records.

- Software Historical Records.

- System I/O Configuration.

- Preventive Maintenance.

- Installation Records.

- Customer Support Service Agreement.

HP 3000 CS 99x/890/T500 Families Operator's Guide

Part Number: A1809-96019

Functional Focus: System operations

This handbook contains information for the operator to operate and monitor the 99x/890/T500 computer system. Depending on the operating system, the 99x/890/T500 is known as:

- HP 3000 Corporate Business Systems 990, 991,992, or 995 (for MPE/ix).

- HP 9000 Corporate Business Servers 890 or T500 (for HP-UX).

This manual is written for system administrators, system operators, or system managers. It is not a manual for beginners.

This handbook contains information on the following topics:

- Front panel, system startup, operator commands

- Procedures

- Recovering from failures on the 890/T500

- Recovering from failures on the 99x

- Indicators, switches, and console

- PDC

- ISL

- Access Port (AP)

- Service Processor

HP 3000 Series 9X8LX/RX Computer Systems Installation and Configuration Guide

Part Number: A2051-96006

Functional Focus: System installation

This manual contains the installation instructions for the HP 3000 Series 9X8/LX/RX Family Computer Systems.

This manual also contains information for installing the Distributed Terminal and for configuring modems for remote support. This manual does not include instructions for installing networks.

This manual contains information on the following topics:

- Site Considerations
- Receiving The System
- Installation
- Starting the Computer System
- Support Link Modem Configuration

HP 3000 Series 9X9KS Site Preparation and Requirements Guide

Part Number: A2375-90073

Functional Focus: System installation

This guide contains site preparation information and technical information about the HP 3000 9x9KS Corporate Business Servers and the HP 9000 K-Class Enterprise Parallel Servers.

HP PA-RISC Computer Systems Integrated Cabinet Installation Guide

Part Number: A2375-90007

Functional Focus: System hardware installation

This guide contains technical information about integrated HP A1883A, HP A1884A, HP A1896A, and HP A1897A rack-mount cabinets. These cabinets are designed to accept HP 3000 and HP 9000 PA-Risc computer systems.

HP PA-RISC Computer Systems System Upgrade Guide (HP 3000 9X9KS)

Part Number: A2375-90010

Functional Focus: System hardware

This manual contains the information necessary to upgrade an HP 3000 9x9KS Class Computer system. The procedures in this manual are intended to be used the Hewlett-Packard Customer Engineers (CEs) and those service personnel who have successfully complete authorized HP training.

I/O Upgrade Manual(9x9KS Servers)

Part Number: A2375-90027

Functional Focus: System installation

This manual provides information for expanding the I/O capability of the K-Class (HP

3000/9x9KS) computer systems.

Installation Guide (99x Family)

Part Number: A1809-90001

Functional Focus: System hardware

This guide contains technical information about HP 3000 Corporate Business Servers (99x Family) and HP 9000 Corporate Business Servers (T-Class Systems).

Internal Peripherals Upgrade Guide (9X9KS servers)

Part Number: A2375-90008

Functional Focus: System hardware

This guide contains technical information about HP9000 class servers, HP VISUALIZE Kxx0 (EG and XP) workstations, and HP3000 9x9KS servers.

Operators Guide (99X family)

Part Number: A1809-90009

Functional Focus: System Operations

This guide contains technical information about HP 3000 Corporate Business Servers (99x Family) and HP 9000 Corporate Business Servers (T-Class Systems), and is intended for experienced system operators.

Site Preparation and Requirement Guide (99X family)

Part Number: A1809-90002

Functional Focus: System installation

This guide contains site preparation and technical information about HP 3000 Corporate Business Systems (99x Family) and HP 9000 Corporate Business Servers (T-Class).

System Memory Upgrade Guide (9X9KS servers)

Part Number: A2375-90009

Functional Focus: System installation

This guide contains technical information about the following HP 3000 models:

- Model 939KS
- Model 959KS
- Model 969KS
- Model 979KS

System Upgrade Installation Guide (CS 99x Family) (Upgrading 991/995 to 996)

Part Number: A3310-90001

Functional Focus: System installation

This guide contains technical information about processor and memory cards for HP 3000 Corporate Business Systems (99x Family) and HP 9000 Corporate Enterprise Servers (T-Class), and is intended for experienced Hewlett-Packard customer service personnel.

System Upgrade Installation Guide (CS 99x Family) (Upgrading 990/992 to 996)

Part Number: A3310-90002

Functional Focus: System installation

This guide contains technical information about processor and memory cards for HP 3000 Corporate Business Systems (99x Family) and HP 9000 Corporate Enterprise Servers (T-Class), and is intended for experienced Hewlett-Packard customer service personnel.

8 Networking and Communications

The topics each manual documents are described on the following pages. Each manual documented in this chapter is identified in the following alphabetical listing, including the functional focus of the material it contains.

Table 8-1. Networking and Communications

Manual Title	Part Number
APPC Subsystem on MPE XL Node Manager's Guide	30294-90007
Configuring and Managing Host-Based X.25 Links	36939-90054
HP ARPA FTP User's Guide	36957-90159
HP SNA Products Remote System Configuration Guide	30292-90008
HP SNMP/XL User's Guide	36922-90036
HP Telnet/iX User's Guide	36957-90156
HP-PB 100Base-T Network Adapter Installation & Service Guide	B5427-90001
HP-PB 100VG-AnyLAN Network Adapter Installation & Service Guide	B5425-90001
LU 6.2 API Applicatrion Programmer's Reference Manual	30294-90008
NetIPC 3000/XL Programmer's Reference Manual	5958-8600
NS Cross-System NFT Reference Manual	5960-1634
NS 3000/iX Error Messages Reference Manual	36923-90043
NS 3000/iX NMMGR Screens Reference Manual	36922-90040
SNA IMF Programmer's Reference Manual	30293-90009
SNA IMF/XL Node Manager's Guide	30293-90010
SNA Link/iX Node Manager's Guide	30291-90507
SNA NRJE Node Manager's Guide	30292-90007
SNA NRJE User/Programmer Reference Manual	30292-90006
Using NS 3000/iX Network Services	36920-90008
Using SNA IMF Pass Thru	30293-90006

Networking and Communications

The following manuals deal with communcations and networking.

APPC Subsystem on MPE/XL Node Manager's Guide

Part Number: 30294-90007

Functional Focus: System administration and network management

This guide describes managing the APPC subsystem on MPE/iX.

This guide contains information on the following topics:

- The APPC subsystem on MPE/iX.
- Interactive APPCCONTROL operator commands.
- Programmatic control operator intrinsics.
- APPC subsystem configuration.
- Managing the APPC subsystem.
- Troubleshooting the APPC subsystem.

Configuring and Managing Host-Based X.25 Links

Part Number: 36939-90054

Functional Focus: System administrators and system operators

This manual provides a complete reference for the configuration, operation, and management of X.25 network connections for users of 900 series HP 3000 systems with host-based network management. Host-based X.25 support is provided for both system-to-system and PAD communications..

This manual contains information on the following topics:

- Preparing to configure X.25 links.
- Configuring X.25 Links.
- Managing networks with DTCCNTRL.
- Using the EVLOG formatter.
- Error messages.

HP ARPA File Transfer Protocol User's Guide

Part Number: 36957-90159

Functional Focus: General usage and programming

This guide describes how to use the HP ARPA File Transfer Protocol product to transfer files in a multi-vendor environment.

This guide contains information on the following topics:

- User commands.

- User tasks and file system behavior.

- Troubleshooting.

- User error messages.

- Remote user information for using the MPE/iX file transfer protocol server (commands and tasks).

HP SNA Products Remote System Configuration Guide

Part Number: 30292-90008

Functional Focus: IBM host system programming

This manual contains information needed for configuring an IBM remote system for communication with HP SNA products.

This manual contains information about the following remote configurations:

- ACF/VTAM and ACF/NCP

- JES

- CICS

- IMS

- DISOSS

- AS/400

HP SNMP/XL User's Guide

Part Number 36922-90036

Functional Focus: System management

This guide provides complete configuration, operation, and troubleshooting information for the Simple Network Management Protocol (SNMP) for the HP 3000 Series 900. It includes descriptions of commands, command files, and syntax.

This guide contains information on the following topics:

- Configuring HP SNMP/XL.

- Using SNMPUTIL.

- Troubleshooting HP SNMP/XL.

HP Telnet/iX User's Guide

Part Number: 36957-90156

Functional Focus: Network management, administration/General usage

This manual provides the following information:

- Installation/verification information for the HP 3000 network manager/ administrator who will be installing the TELNET/iX Client

- A User's Guide for MPE/iX users who want to use the TELNET/iX Client to logon remotely between the HP 3000 and other HP and non-HP systems that support the TELNET service.

HP-PB 100Base-T Network Adapter Installation and Service Guide

Part Number: B5427-90001

Functional Focus: System administrators and System Operators

This guide provides the installation and service information for the HP-PB 100Base-T Network Adapter that connects an HP 3000 computer using the HP-PB backplane to a 100Base-T network

This guide contains information on the following topics.:

- Installation procedures

- Troubleshooting and Diagnostics.

HP-PB 100VB-AnyLAN Network Adapter Installation and Service Guide

Part Number: B5425-90001

Functional Focus: System administrators and System Operators

This guide provides the installation and service information for the HP-PB 100VG-AnyLAN Network Adapter that connects an HP 3000 computer using the HP-PB backplane to a 100Base-T network

This guide contains information on the following topics.:

- Installation procedures

- Troubleshooting and Diagnostics.

LU 6.2 API Application Programmer's Reference Manual

Part Number: 30294-90008

Functional Focus: Network programming

This manual is a reference for the HP 3000 programmer who develops transaction programs to interact with partner transaction programs on remote systems.

This manual contains information on the following topics:

- IBM SNA environments.

- Using LU 6.2 API.

- LU 6.2 one-way and two-way conversations and conversation states.

- Using API intrinsics and intrinsic descriptions.

- Program design, buffer management, and debugging.

NetIPC 3000/XL Programmer's Reference Manual

Part Number: 5958-8600

Functional Focus: Network programming

This manual discusses the intrinsics used in network interprocess communication (NetIPC). NetIPC provides access to the Transmission Control Protocol (TCP) and the X.25 protocol.

This manual contains information on the following topics:

- NetIPC fundamentals including connections and sending/receiving messages.
- Cross-system NetIPC.
- NetIPC intrinsics.
- NetIPC commands.

NS Cross-System NFT Reference Manual

Part Number: 5960-1634

Functional Focus: Network management

This manual describes cross-system NFT (network file transfer) between HP 1000, HP 3000 (MPE V/E and MPE/iX), HP 9000 (Series 300, 500, and 800), VAX/VMS, and PC nodes.

This manual contains information on the following topics:

- File copying formats.
- NS DSCOPY command syntax.
- HP 1000, HP 3000, HP 9000, VAX/VMS, and PC source files.

NS3000/iX Error Messages Reference Manual

Part Number: 36923-90043

Functional Focus: Network programming and usage

This manual is a catalog of all network-related error messages that can be encountered during network operations. It provides short explanations of the probable nature of the errors and suggested resolutions. It also provides a general overview of problem identification and troubleshooting techniques.

This manual includes error messages generated by the LAN/console card.

This manual contains information on the following topics:

- NS3000/iX error messages.
- LAN/console error messages.

- LAP-B link messages.
- Logging location codes.
- How to file a service request.

NS3000/iX NMMGR Screens Reference Manual

Part Number: 36922-90043

Functional Focus: Network management

This manual is a reference document for using NMMGR in non-guided mode to configure and manage NS3000/iX.

This manual contains information on the following topics:

- Link configuration screens.
- Network transport configurations.
- LAN, point-to-point, X.25, token ring, gateway half, 100VG-AnyLAN, 100Base-T, and loopback network interface configurations.
- Logging configuration.
- Network directory configuration.

SNA IMF Programmer's Reference Manual

Part Number: 30293-90009

Functional Focus: Programming and general usage

This manual provides programming information for users of SNA IMF on MPE V and MPE/iX.

This manual contains information on the following topics:

- SNA IMF operating environments.
- SNA IMF intrinsics used with standard MPE I/O.
- SNA IMF intrinsics used with No-Wait I/O.

SNA IMF/XL Node Manager's Guide

Part Number: 30293-90010

Functional Focus: System administration and network management

This guide describes the Hewlett-Packard system network architecture interactive mainframe facility (SNA IMF/XL) for the MPE/iX operating system.

This guide contains information on the following topics:

- SNA IMF/XL installation guidelines.
- SNA IMF/XL configuration.
- SNA IMF/XL session startup and shutdown.

- Troubleshooting SNA IMF/XL.

SNA Link/iX Node Manager's Guide

Part Number: 30291-90507

Functional Focus: Node management

This guide describes Hewlett-Packard's system network architecture link products for the MPE/iX operating system.

This guide contains information on the following topics:

- SNA node and link configuration.
- Logging configuration.
- SNA node startup and shutdown.
- SNA link troubleshooting.
- SNACONTROL commands.

SNA NRJE Node Manager's Guide

Part Number: 30292-90007

Functional Focus: System administration and network management

This guide describes system network architecture network remote job entry (SNA NRJE) for MPE V/E (NRJE/V) and MPE/iX (NRJE/XL).

This guide contains information on the following topics:

- SNA NRJE installation guidelines.
- SNA NRJE configuration.
- SNA NRJE workstation startup and shutdown.
- Troubleshooting SNA NRJE.
- SNA NRJE commands.

SNA NRJE User/Programmer Reference Manual

Part Number: 30292-90006

Functional Focus: System administration and high-level programming

This manual describes system network architecture network remote job entry (SNA NRJE) for both the MPE V/E (NRJE/V) and MPE/iX (NRJE/XL).

This manual contains information on the following topics:

- Getting started with and using NRJE.
- NRJE user commands.
- NRJE job output.

- NRJE user intrinsics.
- NRJE manager intrinsics.
- MPE support utilities and commands.

Using NS3000/iX Network Services

Part Number: 36920-90008

Functional Focus: Programming and network general usage

This manual provides information on the NS3000/XL network services.

This manual contains information on the following topics:

- Virtual terminals.
- Remote file and database access.
- Network file transfer.
- Remote process management.
- Net CI (command interpreter).

Using SNA IMF Pass Thru

Part Number: 30293-90006

Functional Focus: General usage

This manual describes how to configure, invoke, and run SNA IMF Pass Thru.

This manual contains information on the following topics:

- Configuring SNA IMF Pass Thru.
- Starting and stopping SNA IMF Pass Thru.
- Using terminals and printers with SNA IMF Pass Thru.
- Using SNA IMF Pass Thru over an X.25 network.

9 Network and Systems Management

The manuals in the Network and Systems Management collection and the topics each manual documents are described on the following pages. Each manual documented in this chapter is identified in the following alphabetical listing, and the functional focus of the material it contains is identified.

Table 9-1. Network and Systems Management Collection

Manual Title	Part Number
8-Port Serial PCI ACC Multiplexer Installation & User's Guide	30291-90508
Configuring and Managing MPE/iX Internet Services	32650-90891
Configuring Systems for Terminals, Printers, and Other Serial Devices	32022-90051
Customizing Terminal and Printer Type Files With the Workstation Configurator	32022-90031
HP 3000/iX Network Planning and Configuration Guide	36922-90043
HP Security Monitor/iX Manager's Guide	32650-90498
HP Security Monitor/iX User's Guide	32650-90497
Installing and Managing HP ARPA File Transfer Protocol Network Manager's Guide	36957-90157
Manager's Guide to MPE/iX Security	32650-90473
Managing Spooler Operations Quick Reference Pocket Card	32650-90488
MPE/iX HP 3000 Series 99X Software Startup Manual	36123-90046
Native Mode Spooler Reference Manual	32650-90867
New Features of MPE/iX: Using the Hierarchical File System	32650-90492
NS3000/iX Operations and Maintenance Reference Manual	36922-90042
PCI 100Base-T Network Adapter Installation & Service Guide	32650-90904
Performing System Management Tasks	32650-90854
Performing System Operation Tasks	32650-90484
STORE and TurboSTORE/iX Products Manual	B5151-90003
System Startup, Configuration, and Shutdown Reference Manual	32650-90892
Troubleshooting Terminal, Printer, and Other Serial Device Connections	32022-90030
User's Guide to MPE/iX Security	32650-90471
Using the HP 3000 Workload Manager	B3879-90002

Table 9-1. Network and Systems Management Collection

Manual Title	Part Number
Using the Node Management Services (NMS) Utilities	32022-90054
Volume Management Reference Manual	32650-90491

Network and Systems Management Collection

The following collection of manuals describe systems management and networking.

8 Port Serial PCI ACC Multiplexer Installation & User's Guide

Part Number: 30291-90508

Functional Focus: Network management

This manual describes how to install and use the Advanced Communications Controller (ACC) Subsystem which is an intelligent serial communication product for HP e3000 Workstations and Servers. It provides a high performance Wide Area Network (WAN) platform for customers who have large synchronous and asynchronous networks.

Configuring and Managing MPE/iX Internet Services

Part Number: 32650-90891

Functional Focus: Network management

This manual teaches system managers how to configure and operate Internet Services on the HP e3000. It introduces the suite of Internet Services now available and describes how to configure the Internet daemon and the Telnet, BOOTP, SAMBA, and TFTP services.

Configuring Systems for Terminals, Printers, and Other Serial Devices

Part Number: 32022-90051

Functional Focus: System management and system administration

This manual provides information on how terminals, printers, and other serial devices are connected to the 900 Series HP e3000, and what to do prior to and during configuration of local and networked devices.

This manual contains information on the following topics:

- Asynchronous serial communications and the data communications terminal subsystem.

- Typical network configurations.

- Controlling serial devices such as terminals and printers.

- Terminal and printer-type files.

- Preparing for and configuring PC-based or host-based systems.

Customizing Terminal and Printer Type Files With the Workstation Configurator

Part Number: 32022-90031

Functional Focus: System operations and system administration

This manual discusses the workstation configurator, a utility program used to create customized printer and terminal files to support additional devices.

This manual contains information on the following topics:

- Understanding and using the workstation configurator.
- Workstation configurator menus.
- Modifying terminal and printer type files.
- Converting MPE V termtypes to MPE/iX format.

HP 3000/iX Network Planning and Configuration Guide

Part Number: 36922-90043

Functional Focus: System administration & network management

This guide provides information for planning and configuring an HP e3000 node for NS network communications. It includes step-by-step instructions for configuring LAN, point-to-point, and X.25 links.

This guide contains information on the following topics:

- Networking concepts.
- Planning your network.
- Planning for node configuration.
- Introductory Screens
- Configuring a LAN node.
- Configuring a point-to-point node.
- Configuring an X.25 node.
- Configuring a Gateway Half
- Validating and Cross-Validating with SYSGEN
- Configuring the network directory.
- Configuring domain names.
- Configuring Logging
- Operating the Network

HP Security Monitor/iX Manager's Guide

Part Number: 32650-90498

Functional Focus: Network management

This guide describes the security features provided for managers of HP 3000 systems. It contains a general overview of the security features and then delves into the specifics for implementing and maintaining the security measures. This guide contains information on

the following topics:

- Overview of security features.
- Passwords and logons.
- Using Access Control Definitions (ACDs).
- Auditing system usage.
- Using the features of the Security Configurator.

HP Security Monitor/iX User's Guide

Part Number: 32650-90497

Functional Focus: Network management

This guide describes the security features provided for general users of HP e3000 systems. It covers all of the security features and explains how they are implemented.

This guide contains information on the following topics:

- Introduction to the general security features.
- Protecting system access.
- Using Access Control Definitions (ACDs).
- Maintaining file integrity.

Installing and Managing HP ARPA File Transfer Protocol Network Manager's Guide

Part Number 36957-90157

Functional Focus: Network management

This guide describes how to verify installation and configuration, start, and manage the HP ARPA File Transfer Protocol product.

This guide contains information on the following topics:

- Verifying installation and configuration (updating to include Ethernet).
- Starting the file transfer protocol product and managing users.
- The file transfer protocol product architecture.
- HP ARPA file transfer protocol user and server commands.
- Troubleshooting user and system problems.
- Error messages and remote user information.
- Using Ping/XL.

Manager's Guide to MPE/iX Security

Part Number: 32650-90473

Functional Focus: System management

This guide describes the security features provided for managers of HP e3000 systems. It contains a general overview of the security features and then delves into the specifics for implementing and maintaining the security measures.

This guide contains information on the following topics:

- Overview of security features.
- Passwords and logons.
- Using Access Control Definitions (ACDs).
- Auditing system usage.

MPE/iX HP 3000 Series 99x Software Startup Manual

Part Number: 36123-90046

Functional Focus: System installation

This manual provides instructions for bringing up the pre-installed system on an HP e3000 99x Series.

This manual contains information on the following topics:

- Booting the system.
- Configuring the system.
- Completing the installation of any additional products.
- Setting passwords.

Native Mode Spooler Reference Manual

Part Number: 32650-90867

Functional Focus: System management and general usage

This manual describes the spooler processes and spoolfile management on the MPE/iX operating system.

This manual contains information on the following topics:

- Tasks for controlling spooler processes and for manipulating spoolfiles.
- NMS commands.
- Permanent NMS disk files and account management.
- Storing and restoring spoolfiles.
- Utilities for printing and transporting spoolfiles.

New Features of MPE/iX: Using the Hierarchical File System

Part Number: 32650-90492

Functional Focus: General usage, programming and system management

This manual contains information on the following topics:

- What's new for system administrators.
- What's new for programmers.
- Managing accounts, groups and users.
- Managing directories and files.
- Backing up and recovering MPE/iX.
- Handling security on MPE/iX.

NS3000/iX Operations and Maintenance Reference Manual

Part Number: 36922-90042

Functional Focus: Network management

This manual describes the operator-level commands, maintenance procedures, and system troubleshooting and recovery procedures available with NS3000/XL.

This manual contains information on the following topics:

- NS3000/XL commands.
- Troubleshooting NS3000/XL.
- Software and line verification.
- Trace and log files.
- Changing a network.
- PING/XL diagnostic tool.

PCI 100Base-T Network Adapter Installation & Service Guide

Part Number: 32650-90904

Functional Focus: Network management

The PCI 10/100Base-TX adapter card (A5230A) for the HP e3000 supports 10Mbits/s and 100Mbits/s Fast Ethernet operation as well as full and half-duplex modes..

This manual contains information on the following topics:

- Preparing the system for hardware installation and access the system card

  bay:
- Installing the PCI 10/100Base-TX card.
- Attaching the system to the network.
- Configureing the link using NMMGR:
- Verifying the installation

Performing System Management Tasks

Part Number: 32650-90854

Functional Focus: System management

This guide discusses typical tasks and procedures that a system manager might perform.

This guide contains information on the following topics:

- Planning your system backup strategy.
- Managing system hardware components and disks (volume sets).
- Starting up, configuring, and shutting down your system.
- Using Threshold Manager to monitor internal operating system resources.
- Adding devices such as disk drives, tape drives, and printers to your system.
- Setting up system logging.
- Creating accounts, groups, users and directories, and defining system security.
- Changing system libraries, programs, and message catalogs.
- Defining miscellaneous system resources.

Performing System Operation Tasks

Part Number: 32650-90484

Functional Focus: System operations

This guide describes typical tasks and procedures that a new system operator might perform.

This guide contains information on the following topics:

- Using the console to monitor system activity.
- Sending/receiving messages to/from users from the console.
- Obtaining information about, communicating with, and aborting sessions.
- Creating, starting, scheduling, and tracking jobs.
- Identifying disk drives, tape drives, and printers by LDEV numbers and device class name.

STORE and TurboSTORE/iX Products Manual

Part Number: B5151-90003

Functional Focus: System management and system operations

This manual describes the use of the STORE, TurboSTORE/iX II, and TurboSTORE/iX 7x24 True-Online Backup products to store/restore files and manage system backups.

This manual contains information on the following topics:

- Managing backup devices, system backups, and backup media.

- Preparing for a backup.
- Storing and restoring files.
- Backing up the system configuration.
- Using backup media to recover from a system failure.
- Disaster recovery.

System Startup, Configuration, and Shutdown Reference Manual

Part Number: 32650-90892

Functional Focus: System administration

This manual describes the startup procedures for an MPE/iX system, related configuration procedures, and system shutdown.

This manual contains information on the following topics:

- Initiating system activity and changing system startup functions with the initial system loader (ISL).
- Using the system generator (SYSGEN).
- Modifying input/output (I/O), logging, and miscellaneous configurations.
- Modifying system file configurations and halting system activity.

Troubleshooting Terminal, Printer, and Other Serial Device Connections

Part Number: 32022-90030

Functional Focus: Network management and system administration

This manual describes how to troubleshoot devices connected to the Data Communications and Terminal Controller (DTC) when host-based management is used.

This manual contains information on the following topics:

- Data communications and terminal subsystem (DTS), the LAN interface card (LANIC), ASC software, and powerfail recovery.
- Troubleshooting and testing procedures for the DTC and LAN.
- Using TermDSM and TermDSM commands.

User's Guide to MPE/iX Security

Part Number: 32650-90471

Functional Focus: System operations

This guide describes the security features provided for general users of HP 3000 systems. It covers all of the security features and explains how they are implemented.

This guide contains information on the following topics:

- Introduction to the general security features.

- Protecting system access.

- Using Access Control Definitions (ACDs).

- Maintaining file integrity.

Using the HP 3000 Workload Manager

Part Number: B3879-90002

Functional Focus: System management

This manual describes how to have greater control over CPU scheduling at the process level rather than scheduling subqueues:

- Introduces the Workload Manager

- Planning for Workgroups

- Creating Workgroups

- Tuning System Performance

- Troubleshooting

Using the Node Management Services (NMS) Utilities

Part Number: 32022-90054

Functional Focus: System administration and network management

This manual is a reference manual for users of the node management services utilities including the node management services configuration manager (NMMGR).

This manual contains information on the following topics:

- The node management services configuration manager (NMMGR).

- NMMGR screens.

- Running NMMGR.

- NMMGR commands.

- NMMAINT, NMDUMP, and NMMGRVER.

Volume Management Reference Manual

Part Number: 32650-90491

Functional Focus: System management

This manual introduces the concept of volume management, defines it, shows how to use it, and explains how the different parts are created and modified.

This manual contains information on the following topics:

- Understanding volume management.

- Using volume management to perform various tasks.

- Volume management VOLUTIL commands.

- Recovering data with DISCUTIL.

A MPE/iX Manual Part Numbers

This appendix lists the MPE/iX manuals in numerical order by their part number. Each part number is followed by the manual's title and the most current edition date of this manual.

Table A-1. Manuals Listed by Part Number

Part Number	Manual Title	Latest Edition
5958-8600	NetIPC 3000/XL Programmer's Reference Manual	E1089
5960-1634	NS Cross-System NFT Reference Manual	E0189
09740-96033	HP 3000 and HP 9000 PA-RISC Computer System Support Log	
30000-90011	MPE Segmenter Reference Manual	E0886
30026-90004	HP C/iX Library Reference Manual	E1092
30216-90269	Communicator 3000 (6.0)	E1098
30216-90291	Communicator e3000 (6.5)	E0300
30216-90312	Communicator e3000 (7.0)	E0201
30216-90328	Communicator e3000 (Express 1 based on7.0)	E0701
30216-90317	Communicator e3000 (Express 2 based on 6.5)	E1100
30216-90272	HP 3000 MPE/iX System Software Maintenance Manual 6.0	E1098
30216-90325	HP 3000 MPE/iX System Software Maintenance Manual 6.5	E1100
30216-90317	HP 3000 MPE/iX System Software Maintenance Manual 7.0	E0201
30234-90002	Getting Started with HP Software Revision Controller (SRC)	E1188
30234-90003	HP Software Revision Controller (SRC) Implementation Guide	E1188
30234-90001	HP Software Revision Controller (SRC) User's Guide	E1188
30234-90006	HP Software Revision Controller/XL Product Information Update	E1188
30291-90509	SNA Link/iX Node Manager's Guide	E0701
30291-90508	8-Port Serial PCI ACC Multiplexer Insallation & User's Guide	E0201
30292-90008	HP SNA Products Remote System Configuration Guide	E0395
30292-90007	SNA NRJE Node Manager's Guide	E1092
30292-90006	SNA NRJE User/Programmer Reference Manual	E1092
30293-90009	SNA IMF Programmer's Reference Manual	E0692

Table A-1. Manuals Listed by Part Number

Part Number	Manual Title	Latest Edition
30293-90010	SNA IMF/XL Node Manager's Guide	E0692
30293-90006	Using SNA IMF Pass Thru	E1290
30294-90007	APPC Subsystem on MPE/XL Node Manager's Guide	E0692
30294-90008	LU 6.2 API Application Programmer's Reference Guide	E0692
30316-90017	HP EDIT Quick Reference Guide	E1290
30316-90016	HP EDIT Reference Manual	E1290
30316-90015	Learning HP EDIT	E1290
30318-90001	HP RPG/iX Programmer's Guide	E0789
30318-90011	HP RPG/iX Reference Manual	E1293
30318-90017	HP RPG/iX Reference Manual Software Update Notice	E0395
30318-90006	HP RPG/iX Utilities Reference Manual	E1089
30349-90005	Mirrored Disk/iX User's Guide	E0692
30391-90012	TurboIMAGE/XL Database Management System Reference Manual	E0701
31500-90014	HP COBOL II/XL Programmer's Guide	E0791
31500-90015	HP COBOL II/XL Quick Reference Guide	E0791
31500-90013	HP COBOL II/XL Reference Manual	E0791
31501-90022	HP FORTRAN 77/iX Programmer's Guide	E0692
31501-90021	HP FORTRAN 77/iX Reference Manual	E0692
31502-90023	HP Pascal/iX Programmer's Guide	E0692
31502-90022	HP Pascal/iX Reference Manual	E0692
31506-90011	HP C/iX Reference Manual	E0692
31508-90014	HP Symbolic Debugger/iX User's Guide	E0692
32022-90052	Asynchronous Serial Communications Programmer's Reference Manual	E1098
32022-90051	Configuring Systems for Terminals, Printers, and Other Serial Devices	E0294
32022-90031	Customizing Terminal and Printer Type Files with the Workstation Configurator	E1098
32022-90030	Troubleshooting Terminal, Printer and other Serial Devices	E1093
32022-90054	Using the Node Management Services (NMS)Utilities	E0701

Table A-1. Manuals Listed by Part Number

Part Number	Manual Title	Latest Edition
32209-90024	HP Data Entry and Forms Mgmt System (VPLUS) Reference Manual	E0300
32209-90004	Using VPLUS/V: An Introduction to Forms Design	E0886
32212-90008	FCOPY Reference Manual	E0692
32247-90007	Getting Started with TRANSACT	E0788
32247-90027	HP TRANSACT Quick Reference Guide	E1096
32247-90028	HP TRANSACT Reference Manual	E1096
32256-90004	HP System Dictionary/XL General Reference Manual Vol 1	E0588
32256-90005	HP System Dictionary/XL General Reference Manual Vol 2	E0588
32256-90002	HP System Dictionary/XL Intrinsics Reference Manual	E0588
32256-90001	HP System Dictionary/XL SDMAIN Reference Manual	E0588
32256-90003	HP System Dictionary/XL Utilities Reference Manual	E0588
32257-90001	HP System Dictionary/XL COBOL Definition Extractor	E1287
32424-90002	High Level Screen Management Intrinsics Library Reference Manual	E1187
32426-64001	HP ALLBASE Query User Guide	E1089
32650-90885	Accessing Files Programmer's Guide	E0300
32650-90372	Berkeley Sockets/iX Reference Guide	E0494
32650-90493	Command Interpreter Access and Variables Programmer's Guide	E0494
32650-90029	Compiler Library/XL Reference Manual	E1088
32650-90015	Data Types Conversion Programmer's Guide	E1089
32650-90385	EDIT/3000 Reference Manual	E0880
32650-90309	HP Link Editor/iX Reference Manual	E1290
32650-90845	HP Link Editor/iX Technical Addendum	E1095
32650-90019	IPC Communications Programmer's Guide	E1187
32650-90386	KSAM/3000 Reference Manual	E0692
32650-90021	Message Catalogs Programmer's Guide	E0390
32650-90905	MPE/iX Intrinsics Reference Manual	E0701
32650-90207	Native Language Programmer's Guide	E0990
32650-90023	Process Management Programmer's Guide	E1187

Table A-1. Manuals Listed by Part Number

Part Number	Manual Title	Latest Edition
32650-90889	QUERY Reference Manual for MPE/iX	E0300
32650-90024	Resource Management Programmer's Guide	E1187
32650-90901	System Debug Reference Manual	E0701
32650-90026	Trap Handling Programmer's Guide	E0390
32650-90027	User Logging Programmer's Guide	E0788
32650-90886	Using KSAM/XL and KSAM/64	E0300
32650-90899	High Availability FailOver/iX Manual	E1100
32650-90877	MPE/iX Commands Reference Manual	E0300
32650-90896	MPE/iX Documentation Guide	E0701
32650-90878	MPE/iX Error Messages Manual Vol 1	E0300
32650-90902	MPE/iX Error Messages Manual Vol 2	E0701
32650-90880	MPE/iX Error Messages Manual Vol 3	E0300
32650-90893	MPE/iX Glossary of Terms and Acronyms	E0701
32650-90881	MPE/iX Quick Reference Guide	E0300
32650-90882	MPE/iX System Utilities Reference Manual	E0300
32650-90883	SORT-MERGE/XL General User's Guide	E0300
32650-90884	SORT-MERGE/XL Programmer's Guide	E0300
32650-90872	Using HP 3000: Advanced Skills Tutorial	E1098
32650-90871	Using HP 3000: Fundamental Skills Tutorial	E1098
32650-90898	Configuring and Managing MPE/iX Internet Services	E0701
32650-90498	HP Security Monitor/iX Manager's Guide	E0494
32650-90497	HP Security Monitor/iX User's Guide	E0494
32650-90473	Manager's Guide to MPE/iX Security	E0494
32650-90867	Native Mode Spooler Reference Manual	E1098
32650-90492	New Features of MPE/iX: Using the Hierarchical File System	E0494
32650-90904	PCI 100Base-T Network Adapter Installation & Service Guide	E0701
32650-90854	Performing System Management Tasks	E0796
32650-90484	Performing System Operation Tasks	E0494
32650-90892	System Startup, Configuration, and Shutdown Reference Manual	E0201

Table A-1. Manuals Listed by Part Number

Part Number	Manual Title	Latest Edition
32650-90471	User's Guide to MPE/iX Security	E0494
32650-90491	Volume Management Reference Manual	E0494
32715-90001	HP Business BASIC/XL Reference Manual	E1187
35360-90052	HP ALLBASE/BRW Reference Manual	E0192
35360-90203	HP ALLBASE/BRW SW Update Notice for MPE/iX (BRW A.01.50)	E0592
35360-90202	HP ALLBASE/BRW Tutorial	E0494
36123-90046	MPE/iX HP 3000 Series 99X Software Startup Manual	E0494
36216-90101	ALLBASE NET User's Guide	E0494
36216-90099	ALLBASE/SQL Advanced Application Programming Guide	E0494
36216-90080	ALLBASE/SQL C Application Programming Guide	E0692
36216-90081	ALLBASE/SQL COBOL Application Programming Guide	E0692
36216-90214	ALLBASE/SQL Database Administration Guide	E0897
36216-90079	ALLBASE/SQL FORTRAN Application Programming Guide	E0692
36216-90218	ALLBASE/SQL Message Manual	E0300
36216-90082	ALLBASE/SQL Pascal Application Programming Guide	E1092
36216-90103	ALLBASE/SQL Performance and Monitoring Guidelines	E0494
36216-90216	ALLBASE/SQL Reference Manual	E0300
36216-90217	HP Driver for JDBC User's Manual	E0399
36216-90095	ISQL Reference Manual for ALLBASE/SQL & IMAGE/SQL	E0494
36217-90410	ODBCLINK/SE Reference Manual	E0101
36374-90013	MPE/iX AIF: OS Reference Manual	E1294
36375-90004	Auto/Restart/XL User's Guide	E1092
36384-90001	HP Browse/XL User's Guide	E1090
36385-90011	Getting Started with HP IMAGE/SQL	E1294
36385-90012	HP IMAGE/SQL Administration Guide	E0897
36389-90016	Up and Running with ALLBASE/SQL	E0692
36430-90007	MPE/iX Developer's Kit Reference Manual Vol 1	E0494
36430-90008	MPE/iX Developer's Kit Reference Manual Vol 2	E0494
36431-90007	MPE/iX Shell and Utilities Reference Manual Vol 1	E0494

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Part Number	Manual Title	Latest Edition
36431-90008	MPE/iX Shell and Utilities Reference Manual Vol 2	E0494
36431-90006	MPE/iX Shell and Utilities User's Guide	E0494
36920-90008	Using NS3000/iX Network Services	E0594
36922-90036	HP SNMP/XL User's Guide	E0394
36922-90040	NS3000/iX NMMGR Screens Reference Manual	E0701
36922-90043	HP e3000/iX Network Planning and Configuration Guide	E0201
36922-90042	NS3000/iX Operations and Maintenance Reference Manual	E0701
36923-90043	NS3000/iX Error Messages Reference Manual	E0701
36939-90054	Configuring and Managing Host-Based X.25 Links	E1098
36957-90159	HP ARPA File Transfer Protocol User's Guide	E0300
36957-90156	HP Telnet/iX User's Guide	E1098
36957-90157	Installing and Managing HP ARPA File Transfer Protocol Network Manager's Guide	E1098
50700-90038	HP Performance Collection Software User's Manual	E0492
92434-90009	HP C Programmer's Guide	E0796
A1809-90001	Installation Guide (99X Family)	
A1809-90002	Site Preparation and Requirements Guide (99X Family)	
A1809-90006	Expansion Cabinet Installation Guide (99X/Family)	
A1809-90009	Operator's Guide (99X Family)	
A1809-96019	HP 3000 CS 99x/890/T500 Families Operator's Guide	
A1820-90002	Firmware Update Guide (99X/Family)	
A1820-90003	Firmware Update Quick Reference (99X/T-Class)	
A2051-96006	HP 3000 Series 9X8LX/RX Computer Systems Inst. and Configuration Guide	
A2375-90007	HP PA-RISC Computer Systems Integrated Cabinet Installation Guide (9X9KS)	
A2375-90008	Internal Peripherals Update Guide (9X9KS)	
A2375-90009	System Memory Upgrade Guide (9X9KS)	
A2375-90010	HP PA-RISC Computer Systems System Upgrade Guide (9X9KS)	
A2375-90012	CPU Upgrade Manual (9x9KS)	

Table A-1. Manuals Listed by Part Number

Part Number	Manual Title	Latest Edition
A2375-90027	I/O Upgrade Manual (9X9KS)	
A2375-90073	HP 3000 9X9KS Site Preparation and Requirements Guide	
A3310-90001	System Upgrade Installation Guide (CS 99X Family) (991/995 to 996)	
A3310-90002	System Upgrade Installation Guide (CS 99X Family) (990/992 to 996)	
B1787-90008	HP GlancePlus User's Manual (for MPE/iX Systems)	E0492
B1940-90602	HP Easytime/XL User's Guide	E0991
B3482-90006	NetBase SQL Shadowing Handbook	E0697
B3821-90003	DCE for the HP e3000	E0701
B3879-90002	Using the HP 3000 Workload Manager	E1294
B3933-90001	NetBase for MPE Reference Guide	E0697
B3933-90002	NBSpool for MPE Reference Guide	E0697
B3933-90003	VISTA Plus for MPE User's Guide	E0697
B3933-90004	VISTA Plus for MPE Administrators Guide	E0697
B3933-90005	Installation/Upgrade Procedures for SHAREPLEX	E0697
B3933-90006	VISTA Release Notes Version A.07	E0697
B3933-90007	NetBase Release Notes Version 9.7	E0697
B3933-90008	NBSpool Release Notes Version 9.7	E0697
B5151-90003	STORE and TurboSTORE/iX Products Manual	E0300
B5426-90001	HP-PB 100VG-AnyLAN Network Adapter Installation and Service Guide	E0897
B5427-90001	HP-PB 100Base-T Network Adapter Installation and Service Guide	E0897
B9480-90001	High Availability Cluster/iX User's Manual	E1100