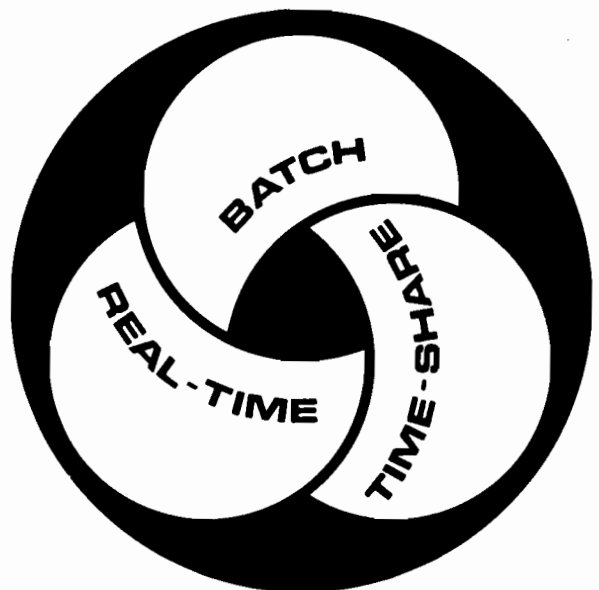


HP 3000

TECHNICAL PUBLICATIONS CATALOG



HP 3000

TECHNICAL

PUBLICATIONS

CATALOG

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PREFACE

The *HP 3000 Technical Publications Catalog* lists the current technical documentation of the HP 3000 Computer System. The catalog has two sections: one for software and systems publications, and one for hardware publications. In both sections, publications are grouped into functional categories. For example, in the Software and Systems Publications section, the HP 3000 FORTRAN manual falls into the category of Programming Languages; in the Hardware Publications category, the 30102A Disc File Subsystem Maintenance manual falls into the category of I/O Subsystem Maintenance.

A brief description of the various categories introduces each section, after which the title, part number, edition, and dates of update packages (if any) of each manual are listed at the end of each section.





SECTION I

Software and Systems Publications

Software and systems publications document those programs which control operation of the HP 3000 Computer System and its peripheral devices, aid in preparing programs to run on that system, and test operation of the system. These publications are divided into the following general categories:

- General Information
- Operating System
- Programming Languages
- User Aid
- Diagnostics

GENERAL INFORMATION

General Information manuals provide the reader with an overview of the hardware and software that constitute HP 3000. The level of detail in these manuals is such that the reader obtains a general understanding of hardware and software features in addition to a clear picture of the total system. They also direct the reader to more detailed documentation in areas of particular interest to him.

OPERATING SYSTEM

Manuals in this category are concerned specifically with the HP 3000 Multiprogramming Executive Operating System. *Multiprogramming Executive Operating System* is the definitive reference document for programmers running programs under MPE/3000 and working with applications and utilities that operate under control of MPE/3000. The manual includes information on compiling, preparing, and executing programs; on using the various utility functions provided by MPE/3000; on programmatically calling the many MPE/3000 intrinsics; and on using the advanced, optional features of the system. Although it is not a tutorial text, this manual is explanatory in its structure, beginning with the simpler concepts and progressing logically toward more complex ideas.

Other manuals in this category focus on operating procedures for MPE/3000. *Multiprogramming Executive Console Operator's Guide* is an instructional manual for the MPE/3000 console operator. *Multiprogramming Executive System Manager/Supervisor Capabilities* helps the system manager set up user accounts and configure and generate the operating system. *Peripheral Equipment Operator's Guide* describes the peripheral devices operable under control of MPE/3000.

PROGRAMMING LANGUAGES

Documentation of HP 3000 programming languages is written for two audiences: those programmers who are unfamiliar with the language, and those programmers who know the language but must determine the exact specifications of the HP 3000 version. Beginner's guides and textbooks, written for the first audience, provide an introduction to the HP version of a language and reflect only the basic features of the language. Textbook readers are assumed to have some experience with the language, while Beginner's Guides assume no such previous knowledge. Neither provides instruction in programming concepts or techniques.

Language Reference manuals completely describe a language's syntax and semantics. They are designed for the programmer who has experience in using the language. In these manuals, programming techniques are discussed only when they are instrumental to giving a complete explanation of a language feature.

USER AID

Publications in this category document those HP 3000 programs designed to aid the programmer in

- debugging his programs
- performing analytical operations in his programs
- performing editing operations

These manuals discuss the features of the particular subsystem or application program and describe all operating procedures. While possible applications of the subsystem or application program appear in examples, the manuals are intended primarily for use as reference documents.

DIAGNOSTICS

Diagnostic program manuals are divided into two groups depending on whether the programs run concurrent with MPE/3000 operation (on-line), or run only when MPE/3000 is not operating (stand alone). General descriptions of stand-alone and on-line diagnostics are given in the *Manual of Stand-Alone Diagnostics Overview* and the *Manual of On-Line Diagnostics Overview*, respectively. *System Diagnostic Monitor* discusses the controller for On-line diagnostic

programs, while *Stand-Alone Diagnostic Utility Program* describes the program that prepares all Stand-alone diagnostic programs for operation. A separate manual is provided for each Stand-alone and On-line diagnostic program.

I. GENERAL INFORMATION

Part No.	Title	Version: Date	Update Package: Date
03000-90001	HP 3000 Software General Information	A: November 1972	
03000-90037	HP 3000 Technical Publications Catalog	A: November 1972	

II. OPERATING SYSTEM

Part No.	Title	Version: Date	Update Package: Date
03000-90005	HP 3000 Multiprogramming Executive Operating System	A: November 1972	
03000-90006	HP 3000 Multiprogramming Executive Console Operator's Guide	A: November 1972	
03000-90038	HP 3000 Multiprogramming Executive System Manager/ Supervisor Capabilities	A: November 1972	
03000-90039	HP 3000 Peripheral Equipment Operator's Guide	A: November 1972	

III. PROGRAMMING LANGUAGES

Part No.	Title	Version: Date	Update Package: Date
03000-90002	HP 3000 Systems Programming Language	A: November 1972	
03000-90003	HP 3000 Systems Programming Language Textbook	A: November 1972	
03000-90007	HP 3000 FORTRAN	A: November 1972	

III. PROGRAMMING LANGUAGES (Continued)

Part No.	Title	Version: Date	Update Package: Date
03000-90008	HP 3000 BASIC Interpreter	A: November 1972	
03000-90025	HP 3000 BASIC for Beginners	A: November 1972	

IV. USER AID

A. Debugging

Part No.	Title	Version: Date	Update Package: Date
03000-90015	HP 3000 Symbol Trace	A: November 1972	

B. Analytical

Part No.	Title	Version: Date	Update Package: Date
03000-90009	HP 3000 Compiler Library	A: November 1972	
03000-90010	HP 3000 Scientific Library	A: November 1972	
03000-90011	HP 3000 Statistical Analysis Routines	A: November 1972	

C. Editing

Part No.	Title	Version: Date	Update Package: Date
03000-90012	HP 3000 Text Editor	A: November 1972	

V. DIAGNOSTICS

A. On-line Diagnostics

Part No.	Title	Version: Date	Update Package: Date
03000-90016	HP 3000 System Diagnostic Monitor	A: November 1972	
03000-90026	HP 3000 Manual of On-Line Diagnostics Overview	A: November 1972	
30060-90003	On-Line HP 30060A Terminal Data Interface Test	A: November 1972	
03000-90030	On-Line HP 2610A/2614A Line Printer Diagnostic	A: November 1972	
02749-90044	On-Line HP 2749B Teleprinter Test	A: November 1972	
30050-90006	On-Line HP 30050A/30051A Universal Interface Test	A: November 1972	
30061-90003	On-Line HP 30061A Terminal Control Interface Test	A: November 1972	
30115-90003	On-Line HP 30115A Magnetic Tape Test	A: November 1972	

B. Stand-alone Diagnostics

Part No.	Title	Version: Date	Update Package: Date
03000-90034	HP 3000 Stand-Alone Diagnostic Utility Program	A: November 1972	
03000-90029	HP 3000 Manual of Stand-Alone Diagnostics Overview	A: November 1972	
03000-90027	Stand-Alone HP 3001A CPU Diagnostic	A: November 1972	

B. Stand-alone Diagnostics (Continued)

Part No.	Title	Version: Date	Update Package: Date
03000-90028	Stand-Alone HP 3000 Memory Pattern Test	A: November 1972	
30035-90004	Stand-Alone HP 30035A Multiplexed Channel Test	A: November 1972	
30102-90004	Stand-Alone HP 30102A Disc File Diagnostic	A: November 1972	
20110-90004	Stand-Alone HP 30110A Cartridge Disc Diagnostic	A: November 1972	
02749-90045	Stand-Alone HP 2749B Teleprinter Test	A: November 1972	
30031-90005	Stand-Alone HP 30031A System Clock/Console Interface Diagnostic	A: November 1972	
02605-90007	Stand-Alone HP 2605A Console Test	A: November 1972	
30103-90003	Stand-Alone HP 30103A Disc Test	A: November 1972	



SECTION II

Hardware Publications

Hardware publications document the HP 3000 Computer System hardware equipment. The categories into which these manuals are divided are

- System Level
- Maintenance Equipment
- Mainframe Equipment
- Memory
- Processor Subsystem Maintenance
- I/O Subsystem Maintenance
- General Purpose Subsystem Maintenance
- Hewlett-Packard Devices
- OEM Devices
- Hewlett-Packard Equipment

SYSTEM LEVEL

The *Computer System Reference Manual* is the primary reference document for the HP 3000 computer system hardware. The manual is oriented to readers who require a basic knowledge of the hardware features of the system. Beginning at a general information level, the manual progresses to more complex levels of detail. Of interest to most readers is the section that explicitly defines the full instruction set. Also covered in the manual are the subjects of the CPU/IOP Module, Memory Segmentation, I/O System, Interrupt System, Operator Controls, and a block-level Theory of Operation of the hardware system.

The *Site Preparation Manual* gives detailed information concerning site selection for the HP 3000 computer system. Included are system requirements such as primary power, space

allocation, cabling considerations, and environmental considerations. Also included are installation planning checklists and data sheets covering each piece of equipment.

The *Simplified Diagram Manual* contains sets of simplified logic which aid service personnel in fault isolation. These diagrams provide an intermediate step between the block diagrams and the detailed logic diagrams. The manual is "site unique" in that it contains only those logic diagrams covering the equipment installed.

The *Detailed Diagrams Manual* contains sets of detailed logic diagrams covering the various logic assemblies in the computer system. The manual is "site unique" in that it contains only those logic diagrams covering the equipment installed.

The *Illustrated Parts Breakdown Manual* contains replaceable parts information and supporting illustrations for all equipment in the HP 3000 computer system.

The *System Installation Manual* contains instructions for assembling the system at the customer's site.

MAINTENANCE EQUIPMENT

Maintenance panels installation and service manuals contain procedures to enable service personnel to install and maintain the auxiliary control panel and the hardware maintenance panel.

Maintenance panels operator's manuals contain procedures to enable service personnel to operate the auxiliary control panel and hardware maintenance panel during fault isolation.

The *Auxiliary Control Panel Operator's Guide* is intended for the user programmer and contains information on how to use the auxiliary control panel to debug programs.

The *Servicing Kit Instruction Manual* contains instructions on the care and use of all items in the servicing kit.

MAINFRAME EQUIPMENT

The *CPU/IOP Maintenance Manual* contains general information, operating parameters, theory of operation, and maintenance information for the CPU/IOP.

The *Computer System Card Cage Maintenance Manual* contains procedures for configuring the printed-circuit assemblies that install into the memory module, CPU/IOP module, and I/O module.

The *Computer System Power Supply Maintenance Manual* contains general information, operating parameters, theory of operation, and maintenance information for the power supply.

The *Cabinet Maintenance Manual* contains general information, operating parameters, theory of operation, and maintenance information for items in the cabinet such as the blower, air ducts, and power control unit, as well as the cabinet itself.

MEMORY

Memory Maintenance Manual provides general information, operating parameters, theory of operation, and maintenance information for the computer system memory.

PROCESSOR SUBSYSTEM MAINTENANCE

Maintenance manuals in this category provide general information, operating parameters, theory of operation, and maintenance information for the various processor subsystems such as the multiplexer channel, selector channel, system clock, and asynchronous terminal controller.

I/O SUBSYSTEM MAINTENANCE

Manuals in this category provide general information, operating parameters, theory of operation, and maintenance information for the various I/O subsystems such as mass storage devices, line printers, card readers and punches, tape readers and punches, and input/output terminals.

GENERAL PURPOSE INTERFACE MAINTENANCE

These maintenance manuals provide general information, operating parameters, theory of operation, and maintenance information for the various general purpose interfaces.

HEWLETT-PACKARD DEVICES

These operating and service manuals provide general information, installation, operation, theory of operation, maintenance, and replaceable parts information for the various devices built by Hewlett-Packard that operate with, and are a part of, the HP 3000 Computer System.

OEM DEVICES

These operating and service manuals provide general information, installation, operation, theory of operation, maintenance, and replaceable parts information for the various devices

built by other manufacturers that operate with, and are part of, the HP 3000 Computer System.

HEWLETT-PACKARD EQUIPMENT

These manuals provide general information, installation, operation, theory of operation, maintenance, and replaceable parts information, as applicable, for the various equipment (other than devices) built by Hewlett-Packard. This equipment includes the power control units and modules, cable sets, disc packs, junction panels, and disc memory power supplies.

I. SYSTEM LEVEL

Part No.	Title	Publication Date	Update Package: Date
03000-90019	HP 3000 Reference Manual	November 1972	
03000-90020	HP 3000 Site Preparation Manual	November 1972	
03000-90021	HP 3000 Illustrated Parts Breakdown Manual	November 1972	
03000-90022	HP 3000 Simplified Diagrams Manual	November 1972	
03000-90023	HP 3000 Detailed Diagrams Manual	November 1972	
03000-90032	HP 3000 Computer System Installa- tion Manual	November 1972	



II. MAINTENANCE EQUIPMENT

Part No.	Title	Publication Date	Update Package: Date
30350-90001	30350A Auxiliary Control Panel Operator's Guide	November 1972	
30350-90002	30350A Auxiliary Control Panel Maintenance Manual	November 1972	
30352-90001	30350A Auxiliary Control Panel and 30352A Hard- ware Maintenance Panel Operator's Manual	November 1972	
30352-90002	30352A Hardware Mainte- nance Panel Maintenance Manual	November 1972	

III. MAINFRAME EQUIPMENT

Part No.	Title	Publication Date	Update Package: Date
30001-90003	30001A Central Processor Unit/Input-Output Processor Unit (CPU/IOP) Maintenance Manual	November 1972	
30002-90002	30002A Universal PCA Module Maintenance Manual	November 1972	
30310-90003	30310A Power Supply Maintenance Manual	November 1972	
30390-90001	30390A Cabinet Maintenance Manual	November 1972	

IV. MEMORY

Part No.	Title	Publication Date	Update Package: Date
30005-90001	30005A/30006A Memory Maintenance Manual	November 1972	

V. PROCESSOR SUBSYSTEM

Part No.	Title	Publication Date	Update Package: Date
30031-90001	30031A System Clock/ Console Interface Maintenance Manual	November 1972	
30032-90001	30032A Asynchronous Terminal Controller Maintenance Manual	November 1972	
30035-90001	30035A Multiplexer Channel Maintenance Manual	November 1972	

VI. I/O SUBSYSTEM

Part No.	Title	Publication Date	Update Package: Date
30102-90001	30102A Disc File Subsystem Maintenance Manual	November 1972	
30106-90001	30106A Card Reader Sub- system Maintenance Manual	November 1972	
30108-90001	30108A Line Printer Sub- system Maintenance Manual	November 1972	
30109-90001	30109A Line Printer Sub- system Maintenance Manual	November 1972	
30110-90001	30110A Cartridge Disc Subsystem Maintenance Manual	November 1972	
30114-90001	30114A Console/Terminal Maintenance Manual	November 1972	
30115-90001	30115A Nine-Track (NRZI- PE) Digital Magnetic Tape Subsystem Maintenance Manual	November 1972	
30124-90001	30124A Console/Terminal Maintenance Manual	November 1972	

VII. GENERAL PURPOSE INTERFACE

Part No.	Title	Publication Date	Update Package: Date
30050-90001	30050A Universal Interface (TTL) Maintenance Manual	November 1972	
30051-90001	30051A Universal Interface (Differential) Maintenance Manual	November 1972	

VIII. HEWLETT-PACKARD DEVICES

Part No.	Title	Publication Date	Update Package: Date
07900-90002	7900A Disc Drive Operating and Service Manual	November 1972	
07970-90383	7970B Digital Magnetic Tape Unit Operating and Service Manual	November 1972	
07970-90765	7970E Digital Magnetic Tape Unit Operating and Service Manual	November 1972	

IX. OEM DEVICES

Part No.	Title	Publication Date	Update Package: Date
02600-90001	2600A Keyboard-Display Terminal Maintenance Manual	November 1972	
02600-90005	2600A Keyboard-Display Terminal Operator's Manual	November 1972	
02605-90001	2605A Console Printer Operating and Service Manual	November 1972	
02610-90001	2610A Line Printer Field and Service Manual	November 1972	
02610-90005	2610A Line Printer Reference Manual	November 1972	
02610-90006	2610A Line Printer Parts Identification Manual	November 1972	
02614-90001	2614A Line Printer (Controller) Operating and Service Manual	November 1972	
02614-90006	2614A Line Printer (Print Head Assembly) Operating and Service Manual	November 1972	

IX. OEM DEVICES (Continued)

Part No.	Title	Publication Date	Update Package: Date
02749-90043	2749B Teleprinter Set Operating and Service Manual	November 1972	
02888-90001	2888A Disc Drive Operating and Service Manual	November 1972	
02892-90001	2892A and 2893A Card Readers Operating and Service Manual	November 1972	

X. HEWLETT-PACKARD EQUIPMENT

Part No.	Title	Publication Date	Update Package: Date
30330-90001	30330A Power Control Unit and Power Control Module Part No. 30390-60002 Maintenance Manual	November 1972	
30333-90001	30333A Disc Pack Handling Manual	November 1972	
13215-90003	13215A Disc Power Supply Operating and Service Manual	November 1972	





READER COMMENT SHEET

HP 3000 Technical Publications Catalog
03000-90037A November 1972

We welcome your evaluation of this manual. Your comments and suggestions help us improve our publications. Please use additional pages if necessary.

Is this manual technically accurate?

Is this manual complete?

Is this manual easy to read and use?

Other comments?

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