

HP 3000 Computer Systems Series 68



Technical Data



Description

The Series 68 is the high-performance member of the HP 3000 family of compatible, interactive business systems. Performing as a distributed mainframe, the Series 68 has the processing power to handle a full range of EDP and distributed data processing needs supporting up to 400 users. The Series 68 is suited for stand-alone operation and can provide a wide range of tasks for divisions in large companies or the EDP needs of an entire company. Operating in a distributed processing environment, the Series 68 can serve either as a major node or as the central computer in distributed networks. In addition to its on-line, interactive capabilities, the Series 68 performs equally well in batch processing applications. Whether the needs are for large distributed networks, intensive interactive sessions, or for dedicated stand-alone applications, the Series 68 can match the processing requirements.

Features

- Friendly, user-oriented software
- MPE operating system compatibility with the HP 3000 family
- Complete package of business application software
- Top-ranked data communications solutions
- Compatible upgrade path for future growth

System Specifications

Memory

3 Mb standard. Expandable to 8 Mb in 1 Mb increments.

I/O Performance

Disc caching through utilization of excess memory for optimal I/O performance. Multiple I/O channels provide flexibility to maximize I/O throughput.

Cache Memory

8 Kb memory (95% hit ratio)

Terminals & Personal Computers

Up to 336 point-to-point. Total of 400 (point-to-point and multipoint). Supports data entry, word processing and graphics terminals and personal computers.

Discs

Support for 28, 65, 132 and 404 Mb disc drives. Maximum of 9.7 Gb.

Tape Drives

Support for 1600, 800/1600 and 1600/6250 bpi tape drives. 67 Mb cartridge tape is also supported.

Printers

Support for 300, 600 and 900 lpm system line printers. Also support for intelligent laser page printers, dot-matrix and daisy-wheel printers.

Communication Lines

Up to 24 synchronous lines for system-to-system or multipoint communication.

Power failure Recovery

15 minute battery backup of system memory with automatic system recovery when power resumes.

Compatibility

Compatible with the full line of HP 3000 systems.

Software

Operating Systems

MPE

- MultiProgramming Executive
- Disc I/O Caching

Utilities

- EDIT/3000
- FCOPY/3000
- SORT-MERGE/3000

High Level Languages

- COBOL II/3000
- RPG II/3000
- Pascal/3000
- BASIC/3000
- SPL/3000
- FORTRAN/3000

Program Development

HP TOOLSET

- Programmer productivity tools

Data Base Management

- IMAGE/3000
 - Data base management system
- QUERY/3000
 - Data base inquiry system
- KSAM/3000
 - Indexed file system using Keyed Sequential Access Method
- HP DICTIONARY/3000
 - Dictionary/directory facility for centralized control, standardization and documentation

Office Systems

- HPWORD
 - Keystroke interactive word processor
- HP SLATE
 - Full-screen text editor
- TDP/3000
 - Text and Document Processor
- DSG/3000
 - Decision Support Graphics
- IFS/3000
 - Interactive Formatting System
- IDS/3000
 - Interactive Design System
- HPDRAW
 - Text and figure presentation graphics
- HPEASYCHART
 - Chartmaker graphics
- HPMENU
 - Interactive office menu facility
- HPDESKMANAGER
 - Electronic mail system
- HPSPELL
 - American and English dictionary
- HPLISTKEEPER
 - Personal information management
- HPTELEX
 - Telex communication
- VISICALC/3000
 - Spreadsheet analysis

Transaction Systems

- REPORT/3000
 - Non-procedural report writer
- TRANSACT/3000
 - High-productivity language for transaction application development

INFORM/3000

- Interactive prompting inquiry and preformatted report generation facility
- ### VPLUS/3000
- Data entry and forms management

Network Software

- DS
 - Distributed Systems network
- RJE
 - Remote Job Entry - 2780/3780 emulation
- MRJE
 - Multileaving Remote Job Entry - HASP II/JES/ASP workstation emulation
- IMF
 - Interactive Mainframe Facility - 3270 emulation
- SNA NRJE
 - SNA Network Remote Job Entry - 8100 DPPX/RJE workstation emulation
- MTS
 - Multipoint Terminal Software
- X.25
 - Packet switching network

Manufacturing Application

- HP Production Management/3000
- HP Capacity Requirements Planning/3000
- HP Materials Management/3000
- HP Material Requirements Planning/3000
- HP Master Production Scheduling/3000
- HP Standard Product Costing/3000
- HP Factory Order Entry/3000
- HP Lot Control and Traceability/3000
- HP Maintenance Management

Semiconductor Information Systems

- IC-10
 - IC Manufacturing Information System
- CA-10
 - IC Cost Accounting System
- TD-10
 - Transaction and Display Processor
- EN-10
 - Engineering Data Collection System
- EA-10
 - Engineering Analysis System
- SO-10
 - Sales Order System

Financial Systems

- HP Financial Accounting
 - General Ledger
 - Dual Ledger
 - Accounts Payable
 - Accounts Receivable
 - Report Facility
 - Interface Facility
 - Allocator
 - General Accounting
- HP PAY
 - Payroll

Distribution

- SFD/3000
 - System For Distributors
- OM/3000
 - Order Management

Performance Measurement

- OPT/3000
 - On-line Performance Tool and performance measurement package
- APS/3000
 - Application Program Sampler

Third Party

A wide variety of applications developed by independent software vendors is available for the HP 3000. Contact your HP Sales Representative for further information.

Environmental Specifications

SPU Physical Specifications

- Height 121.92 cm (48.0 inches)
- Width 175.26 cm (69.0 inches)
- Depth 66.04 cm (26.0 inches)
- Weight 545.5 kg (1200 lbs.)
- With optional I/O bay
 - Height 121.92 cm (48 inches)
 - Width 266.70 cm (105 inches)
 - Depth 60.04 cm (26.0 inches)
 - Weight 681.8 kg (1500 lbs.)

Relative Operating Humidity

- Recommended (non-condensing) 40-60%

Recommended Operating Temperature

- 20°C-25.5°C (68°F-78°F)

Heat Dissipation

- 3000 kcal/hour (12000 btu/hour)

Line Voltage/Frequency

- 200VAC 3 phases @ 60 Hz
- 380VAC 3 phases @ 50 Hz

Line Current

- 24 A @ 60 Hz
- 13 A @ 50 Hz

Regulation Compliance

Safety

U.L. listed for EDP equipment. CSA certified for EDP equipment. IEC compliance for data processing and office machines.

RFI

In compliance with U.S.F.C.C. regulations. FTZ licensed.

Support Services

A wide range of hardware and software support services are available worldwide for all systems in the HP 3000 computer family. These services include 99% Guaranteed Uptime, Custom Support and Tele-Support. Our HP ASSIST consulting services will help you analyze your application needs and implement HP solutions. Contact your HP Sales Representative for a complete description of hardware and software support services.