

HP 3000 Computer Systems Series 42



Technical Data



Description

The Series 42 is a powerful yet inexpensive mid-range computer in the HP 3000 family of compatible, interactive business systems. The Series 42 is cost effective even at configurations supporting as few as 4 users and yet has the performance to support as many as 92 simultaneous users. Whether the need is on-line transaction processing, program development, batch processing or word processing, all can easily take place concurrently on the Series 42. In addition to its stand-alone capabilities, the Series 42 can operate as a node in a network of computers through the use of our distributed processing data communications software. The Series 42 is the cost-effective solution for a wide variety of computer needs.

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

1 Mb standard. Expandable to 3 Mb.

I/O Performance

Disc caching through utilization of excess memory for optimal I/O performance.

Terminals

32 point-to-point. Total of 92 (point-to-point and multipoint)

Disc Drives

Support for 27, 50, 64, 120, 132, and 404 Mb disc drives. Maximum of 3.23 Gb.

Tape Drives

Support for 1600 bpi and 1600/6250 bpi (switch-selectable) tape drives. 67 Mb reel-to-reel cartridge tape is supported integrated with 27, 64 or 120 Mb disc.

Printers

Support for 400, 600, and 1000 lpm system line printers. Also support for intelligent page printers, 180 cps dot-matrix and 20 and 40 cps daisy-wheel printers.

Communication Lines

3 synchronous communication lines for system-to-system or multipoint communication.

Reliability

Microprocessor-based controller dedicated to control and maintenance.

Compatibility

Compatible with other members of the HP 3000 family.

HP Computer Museum
www.hpmuseum.net

For research and education purposes only.

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

HPTOOLSET

- 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

HPSLATE

- 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

HPMAIL

- Electronic mail system

Transaction Systems

HP REPORT/3000

- Non-procedural report writer

HP TRANSACT/3000

- High-productivity language for transaction application development

HP INFORM/3000

- Interactive prompting inquiry and preformatted report generation facility

HP VPLUS/3000

- Data entry and forms management

HP Distributed Systems Network (DSN) Software

DSN/RJE

- Remote Job Entry - 2780/3780

emulation

DSN/MRJE

- Multileaving Remote Job Entry

HASPII/JES/ASP workstation

emulation

DSN/DS

- Distributed Systems communication software

DSN/MTS

- Multipoint Terminal Software

DSN/MF

- Interactive Mainframe Facility - 3270 emulation

Manufacturing Application Software

PM/3000

- Production Management

MM/3000

- Materials Management

Financial Systems Software

GA/3000

- General Accounting

Distribution Software

SFD/3000

- System for Distributors

OM/3000

- Order Management

Performance Measurement

OPT/3000

- On-line Performance Tool

Performance Measurement Package

APS/3000

- Application Program Sampler

Additional Software

Flexible Disccopy/3000

Scientific Library/3000

Environmental Specifications

SPU Physical Specifications

- Height 101.6 cm / 40.0 inches
- Width 61.0 cm / 24.0 inches
- Depth 56.9 cm / 22.4 inches
- Weight 86.0 kg / 190 lbs.

Relative Operating Humidity

- Recommended (non-condensing) 40-60%

Recommended Operating Temperature

- 20°C - 25.5°C / 68°F - 78°F

Heat Dissipation

- 756 kcal/hour / 3000 btu/hour

Line Voltage/Frequency

- 120VAC @ 60 Hz

- 220VAC @ 50 Hz

Line Current

- 8.5 A @ 60 Hz

- 4.5 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 worldwide hardware and software support services including the 99% Guaranteed Uptime Service is available for all systems in the HP 3000 computer family. Consult the HP 3000 Specifications Guide for a complete description of hardware and software services.