

# HP 3000 Computer Systems Series 48



## Technical Data

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### Description

The Series 48 is the most expandable mid-range member of the HP 3000 family of compatible, interactive business systems. Operating in a stand-alone business environment, the Series 48 has the capability to handle a wide range of commercial processing needs. The Series 48 can operate equally well as a major node or as the central computer in a distributed processing network through our data communications software. The Series 48 supports up to 152 users and excels at performing a variety of applications. On-line transaction processing, program development, batch processing, word processing and data communications can all take place concurrently and easily on the Series 48.

### 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

2 Mb standard. Expandable to 4 Mb in 512 Kb or 1 Mb increments.

#### I/O Performance

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

#### Terminals

104 point-to-point. Total of 152 (point-to-point and multipoint)

#### Disc Drive

Support for 27, 50, 64, 120, 132, and 404 Mb disc drives. Maximum of 4.2 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 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

7 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](http://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  
Mutlipoint 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 Discopy/3000  
Scientific Library/3000

## Environmental Specifications

### SPU Physical Specifications

Height 72.4 cm / 28.5 inches  
Width 183.5 cm / 72.25 inches  
Depth 79.4 cm / 31.25 inches  
Weight 109.0 kg / 240 lbs.

### Relative Operating Humidity

Recommended (non-condensing)  
40-60%

### Recommended Operating Temperature

20°C - 25.5°C / 68°F - 78°F

### Heat Dissipation

2580 kcal/hour / 7380 btu/hour

### Line Voltage/Frequency

210 VAC @ 60 Hz  
220VAC @ 50 Hz

### Line Current

13.1 A @ 60 Hz  
12.4A @ 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.