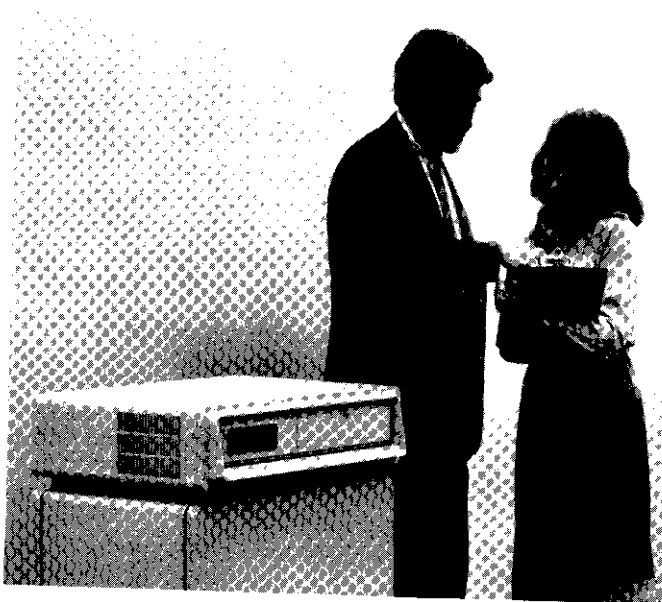




## Technical Data



### 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 can be expanded to support as many as 92 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 & Personal Computers

Up to 60 point-to-point. Total of 92 (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 3.2 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 3 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 cen-  
tralized 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  
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  
TRANSACTION/3000  
High-productivity language for trans-  
action 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 Material 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 System

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 avail-  
able for the HP 3000. Contact your HP  
Sales Representative for further  
information.

## 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

120 Vac @ 60 Hz  
220 Vac @ 50 Hz

### Line Current

8.5A @ 60 Hz  
4.5A @ 50 Hz

## Regulation Compliance

### Safety

U.L. listed for EDP equipment. CSA certi-  
fied 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 Repre-  
sentative for a complete description of  
hardware and software support services.