

HEWLETT-PACKARD



MICRO 3000LX System HP 3000 Computer Systems

Data Sheet

Description

HP's MICRO 3000LX is a complete entry-level business system delivering exceptional performance for departmental, distributed branch office, and general business applications. This general purpose business computer offers superior on-line transaction processing power. It brings the power of transaction processing, text and graphics processing, data communications, and data management to the office in a compact, affordable package. Featuring outstanding data management capabilities and supporting a wide variety of office applications, the MICRO 3000LX makes an ideal economical departmental resource or file server. Based on proprietary NMOS III VLSI technology and state-of-the-art powerfail/autorecovery capability, the MICRO 3000LX features outstanding system performance, reliability, and data protection. The MICRO 3000LX utilizes a friendly menu-driven user interface which simplifies the operation and use of the system. Software compatibility preserves your software investment by providing a smooth conversion-free growth path to larger HP 3000s, including HP's new Precision Architecture. The low operating and maintenance requirements for hardware, software, and personnel provide a system that is affordable today and tomorrow.

Standard System includes:

- System processor
- 2-Mbyte main memory
- 81-Mbyte disc mechanism
- 67-Mbyte cartridge tape mechanism
- One HP 700/92 terminal and cable



- Five RS-232-C ports (four may be modem.)
- System cabinet
- Fundamental operating software
- Disc caching
- HP Easytime User Interface
- TurboIMAGE DBMS

Available options:

- 4-Mbyte main memory
- 152-Mbyte or 304-Mbyte disc mechanism
- Eight RS-232-C ports (four may be modem.)
- Wide variety of Datacomm

Features

- High-performance proprietary operating system, MPE
- Friendly, menu-driven user interface for operation and ease of use
- Compact, quiet design for the office
- Software compatible with entire HP 3000 family
- Complete selection of data communication solutions
- Complete selection of program development solutions
- Complete selection of business application software
- One-step startup
- Compatible upgrade path for future growth

System Specifications

Memory

Both 2- or 4-Mbyte systems available

I/O Performance

Disc caching that utilizes available main memory to optimize I/O performance

Workstations and Personal/Portable Computers

Five RS-232-C ports standard. (Four may be modem.) Expandable to eight. (Four may be modem.) Interfaces with data entry and graphics terminals and personal and portable computers. Supports a wide range of office application software that integrates personal computers with the MICRO 3000LX.

Disc Drives

Factory integrated 81-, 152, or 304-Mbyte internal disc drive.

Tape Drives

Factory integrated cartridge tape drive.

Printers

Support for 150-, 192/48-, and 480-cps dot matrix, 8- and 20-ppm laser, and 48-cps daisywheel printers. Also supports 200- and 300-lpm impact printers.

Communication Lines

One synchronous line for system-to-system communication. Asynchronous system-to-system or personal computer communication via Asynchronous Serial Link (ASNL) software. One local area network (ThinLAN or StarLAN) for system-to-system and personal computer communication.

Power Fail Recovery

A 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 Software

MPE MultiProgramming Executive
Disc I/O Caching
HP Easytime User Interface

Utilities

EDIT/V—Line editor
FCOPY/V—File Copy tool
SORT-MERGE/V—Sorting tool
NLS/V—Local language applications support tool

System Management

OPT/3000—On-line System Performance Product
APS/3000—Application Program Performance Product
HP Security Monitor/V—Enhanced system security product
TurboSTORE/V—High speed disc to tape backup product
HP Migration Toolset/V—Migration utilities product for MPE XL
COPYCAT/V—Disc to disc backup product

Application Development

COBOL II/V
FORTRAN 66/V
HP FORTRAN 77/V
Pascal/V
BASIC/V
SPL/V
RPG/V
HP Business BASIC/V
VPLUS/V—Data entry and forms management
Transact/V—Fourth generation language for fast application development
Toolset/V—Program development systems
HiLi/V—High level screen management intrinsic Library
Virtuoso Code Generator/V—Application generator

Integration and Transparency

Dictionary/V—Dictionary/directory facility for centralized control, standardization and documentation
System Dictionary/V—Expanded capabilities over Dictionary/V
Information Access—Database access for PCs

Reporting and Presentation

QUERY/V—Database inquiry system
Inform/V—Interactive prompting inquiry and preformatted report generation facility
BRW/V—Business Report Writer
Report/V—Non-procedural report-writer
VISOR/V—End user interface to HP SQL Databases

Information Storage

TurboIMAGE/V—Enhanced database management system
TurboIMAGE Profiler/V—Database performance tool
HP SQL/V—Relational database management system
SILHOUETTE/V—Database high availability product
KSAM/V—Indexed file system using Keyed Sequential Access Method
DBChange/V—Database restructuring tool

Office Systems

HP WORD—Keystroke interactive word processor
HP SLATE—Full-screen text editor
TDP/3000—Text and Document Processor
DSG/3000—Decision Support Graphics
IDS/3000—Interactive Design System
IFS/3000—Interactive Formatting System

Print Central/3000—Host print server for PCs
HP Draw—Text and figure presentation graphics
HP EasyChart—Chartmaker graphics
HP Menu—Interactive office menu facility
HP DeskManager—Electronic mail system
HP File—Shared filing
HP Schedule—Time and resource scheduler
HP MAP—Business mapmaker
HP Spell—American and English dictionary
HP ListKeeper—Personal Information Management
HP Telex—Telex communication
VisiCalc/3000—Spreadsheet analysis
Curator/3000—Translator between PC and 3000 graphics

Network Software

NS 3000/V—Network Services
NS LAN Link—802.3 LAN interface card and software
NS Pt-Pt Link—Wide area Network interface card and software
NS Serial Link—Asynchronous HP serial network link
DS X.25—Packet switching network

SNA Products:

SNA Link—SNA interface card and software
SNA NRJE—SNA Network Remote Job Entry-8100 DPPX/RJE workstation emulation
SNA IMF—SNA Interactive Mainframe Facility—3270 emulation
HP LU6.2 Base—Logical unit 6.2 base verb set for connections to DISOSS

BSC Products:

BSC Link—BSC interface card and software
RJE—Remote Job Entry-2780/3780 emulation
MRJE—Multileaving Remote Job Entry—HASP/JES workstation emulation
IMF—Interactive Mainframe Facility—3270 emulation
NETDELIVERY/V—Asynchronous messaging service

Financial Software

HP FA—Integrated Financial Accounting Systems
HP PAYROLL—Payroll Processing System
HP FB—Financial Budgeting System

Manufacturing Software

HP Manufacturing Management II—Modular MRPII System
HP Maintenance Management—Planning and control software for maintenance departments

Third Party Software

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

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.

Environmental Specifications*

System Physical Specifications

Height: 609 mm/24 in.
Width: 212 mm/8.4 in. top
360 mm/14.2 in. base
Depth: 539 mm/21.2 in.
Weight: 18.6 kg/93 lbs.

Relative Operating Humidity

20-80% RH @ 40°C non-condensing

Operating Temperature Range

5-40°C/40-104°F

Acoustics

Sound pressure level: 49 dB(A) ref
20 J Pa @ 1 m

Sound power level: 5.5 Bels ref
1 sq m

Heat Dissipation

System: 364 Kcal, gm/hr
1450 Btu/hr

Line Voltage Frequency

100-120 VAC nominal \pm 10%
(47-63 Hz)

200-240 VAC nominal \pm 10%
(47-63 Hz)

Line Current

System

4 amps @ 115 VAC, 50-60 Hz

2.5 amps @ 230 VAC, 50-60 Hz

**Specifications are established using the tightest specifications of the components. Specifications may vary depending on peripheral options.*

Regulation Compliance

Safety

UL Listed for Information Processing and Business Equipment; C.S.A. Certified for Data Processing Equipment; I.E.C. Compliance for Data Processing and Office Machines

E.M.C.

Compliant with F.C.C. class A

Compliant with V.D.E. level B

NOTICE: The information contained in this document is subject to change without notice. Consult your HP sales representative for most current information.