HP 300 Computer System
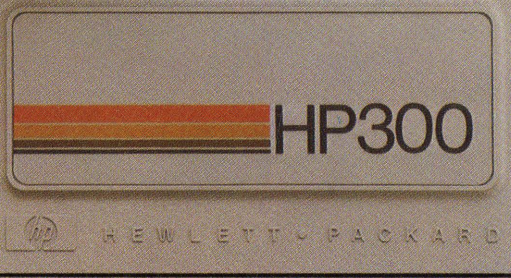
HEWLETT hp PACKARD

```
RY5    MODULE SHOWDATA                          B.00.00
THE SCREEN FORM:
ne_number = 1 TO 21
AD  Line$
NT Line$
ine_number
er_file:
#1 GOTO Customer_not_found
,Cust_number$; Name_address$, Ship_name_address$, Phone$,
M DEFINITION:
Name/Address           Ship to Name/Address
ustomer#    Telephone#    Ytd Orders  Qtd Orders
```

HELP

SINGLE SCREEN

SCROLL UP

TEST

CLEAR

OOPS!

EXIT BASIC

COMMAND COMPOSE

HP300

HEWLETT-PACKARD

HP 300: a new concept in interactive business systems.

The HP 300 is a totally new business computer that brings full general-purpose computer capabilities into a dedicated, on-line business system.

Introducing the HP 300, a totally new business computer that brings full general-purpose computer capabilities into a dedicated, on-line business system.

From its Silicon-on-Sapphire processor to its advanced operating software, the HP 300's powerful features simplify application design and development. Yet, the system is designed to bring dedicated, local processing power directly into daily business operations. It is engineered for ease of use and styled for the office environment. The HP 300 is backed by traditional Hewlett-Packard quality and reliability.

Take a closer look at what the HP 300 has to offer. Then call your local HP sales office for a personal demonstration of what it can do for you.

Powerful, Expandable Hardware

The HP 300 offers exceptional hardware capability and growth potential in a small, integrated system package. The system spans a range from small single-user configurations to large multiterminal processing environments.

1 MByte flexible disc for off-line storage and backup

Integrated Display System with large, clear display and familiar typewriter-like keyboard

Processor based on HP's Silicon-on-Sapphire CMOS/LSI technology

256 KBytes of error-correcting memory; expandable to 1024 KBytes

Expansion capacity
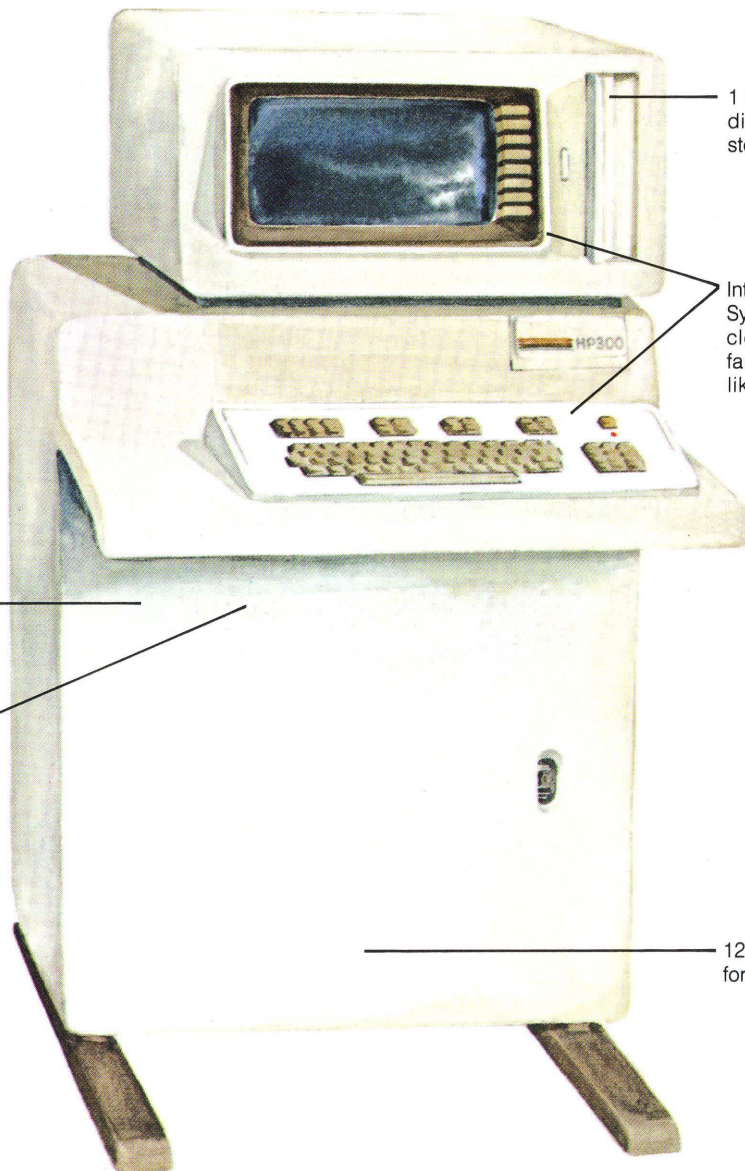- up to 16 terminals
- two printers
- up to 240 Mbyte stand-alone disc drives

12 MByte fixed disc for on-line storage

Integrated Display System

The HP 300's Integrated Display System offers significant new display capabilities that simplify system control and make management information more accessible:

Screen divides into multiple **windows** to display different types of information

Protected fields and display enhancements for screen formatting

```
Product Inventory Inquiry              6/28/78   1:59 PM    SHOW
                                                            DETAIL

ITEM #   DESCRIPTION              UNIT PRICE  U/M  QTY-ON-HAND  SHOW
00023B   Die Stocks                 475.00    EA        10      USAGE
00106A   Medium Duty Casters         45.95    EA     1,000
01998C   Wrightson's Air Filters     35.95    EA        45      SHOW
02004F   V278 Support Sheeting      358.86    PKG       10      HISTORY
02013D   Forthright Gaskets          25.00    DOZ        3
02015A   Ruffwood Keyseat           175.00    EA         5      SHOW
02015B   Ruffwood Keyseat Cutter     25.00    EA         5      VENDORS
02045D   Keyway Bushings             45.00    PKG       24
02073S   Carbon Steel Hex Nuts      525.00    CASE      10      SHOW
02156D   Gage Block                  35.00    EA         2      PURCH'S
02148E   Pneumatic Wheel Set        234.50    EA         1
02201F   Die Stocks                 175.00    PAIR       3      SHOW
                                                                ON ORDR

             DETAIL INVENTORY INFORMATION

ITEM #   UNIT PRICE  U/M  QTY-ON-HAND  ON-HAND VALUE  USAGE/MO
02013D    $25.00     DOZ       3          $75.00         15

ON ORDER  ORDERED  QTY ORDERED  EXPECTED      VENDOR           EXIT
  Yes     5/21/78       50       6/30/78  Forthright Mfg. Co.
```

Vertical and horizontal scrolling for directly viewing data files through a window

Each window operates as a **mini-display** with its own I/O capability

Eight softkeys, dynamically labelled on the screen, for push-button selection

Amigo/300 Operating System

The HP 300's advanced Amigo/300 Operating System provides a flexible structure for implementing efficient on-line multiterminal applications.

- Easy-to-use command language with spelling correction and HELP facility
- Virtual memory
- Very large addressing space
- Multiterminal processing on up to 16 application terminals
- Multiprogramming
- Multitasking—parallel task execution within a program
- Event-driven processing structures
- Priority scheduling
- Callable system services for programmatic access

Comprehensive Data Management Facilities

The Amigo/300 file system and Image/300 Data Base Management System provide a full range of data management capability for HP 300 applications.

- Uniform, high-level file and device access
- Seven file structures, including sequential, keyed sequential, direct, relative and library files
- Variable-length records
- Removable private disc volumes
- File and data base sharing
- Integrated, networking data base structure with master and detail data sets
- Data Base Inquiry facility for ad hoc data base access and update

On-Line Program Development

A unique interactive programming environment combines advanced editing features and powerful programming tools to simplify and streamline HP 300 software development. (A typical program development screen is shown in the cover photo.)

- Single, integrated programming environment
- Direct, on-screen program editing through editing keys
- Powerful editing commands
- On-line syntax checking with interactive error correction
- Split screen mode for editing and debugging
- TEST softkey for one-step program testing
- Symbolic Debugging in Business Basic
- Compiled languages

Business Basic/300

- Extended, enhanced Basic language
- Six data types, including decimal, integer and real arithmetic
- Long variable names and statement labels
- Full string manipulation capability
- Parameterized subprograms with local and COMMON storage
- Formatted output
- Access to system services

RPG II/300

- Industry standard RPG II language
- Interactive program entry and editing with RPG II screen templates
- Multiterminal data entry extension for transparent terminal-handling from RPG II programs