

Personal Mini™ Model PM/16T-85

The Performance Leader In PC Networking

- High-performance, low-cost PC network
- Eight workstation ports, expandable to 16
- Easy installation
- 85-Mbyte disk storage, expandable to over 170 Mbyte
- Unique dual-processor Intel 80186 /Z80 architecture
- Choice of IBM PC /AT /XT and compatible workstations
- User-specified MS-DOS 2.1 or 3.1
- InfoShare® network operating system, customized version of Novell Netware
- Four levels of security
- Integral 20-Mbyte streaming tape drive



TeleVideo's most powerful network computer system is also the industry's price/performance leader. The Personal Mini model PM/16T-85 is the perfect choice when superior storage capacity at a low cost is needed.

A Personal Mini star network gives personal computers speed, storage, and communication capabilities that rival a minicomputer.

Flexible Growth Path

The PM/16T-85 accepts a wide variety of workstations. Up to eight IBM, AT&T, Compaq, TeleVideo, or other PC/XT/AT-compatible computers easily attach to high-speed RS-422 workstation ports on the Personal Mini. The low-cost PM Interface Card installs into personal computers and is fully compatible with the IBM expansion bus.

In addition, an RS-232C serial port and a Centronics-

type parallel port allow you to attach a wide variety of peripherals, such as a spooled printer.

TeleVideo's diskless PM Workstation provides an economical alternative to personal computers when local disk drives are not needed.

The PM Expansion option provides eight additional RS-422 workstation ports and up to 89 Mbytes of hard disk storage. With expansion, the PM/16T-85 Plus can be configured with 16 users and more than 170 Mbytes of disk storage.

Innovative Design

The Personal Mini's dual-processor design is unique. An Intel 80186 microprocessor provides network control, print spooling, and file server management. A Zilog Z80 controls network communications. In addition, the Personal Mini fully utilizes local workstation microprocessors.

An integral streaming tape drive provides a built-in system archive capability. The tape drive uses standard cassettes and backs up 20 Mbytes in five minutes.

Resource Sharing Operating System

The InfoShare/M operating system is a custom version of Novell's Netware LAN operating system.

InfoShare/M's resource sharing design allows you to share applications programs, data, printers, disk drives, and other peripherals.

InfoShare/M offers four levels of security to give you total control over system users.

The PM/16T-85. TeleVideo's most powerful network system is the industry's most economical.

PM/16T-85 Specifications

Microprocessor

80186 16-bit (speed: 8 MHz)
Z80A 8-bit (speed: 4 MHz)

Memory

512 Kbyte dynamic RAM
(expandable to 1 Mbyte)
28 Kbyte EPROM
4 Kbyte static RAM

Operating System

InfoShare/M 1.2

Applications Software

MS-DOS 2.1, 3.1 compatible
MS-DOS multi-user applications

Connected Workstations

TeleVideo PC/XT/AT series
IBM PC/XT/AT
Compaq portable and Deskpro series
AT&T 6300
Other IBM-compatible personal computers

Disk Drives

One Winchester (fixed) disk drive
One diskette drive
One tape drive (streamer)

Diskettes

Dual-density, double-sided, 48 TPI
5¼-inch diskettes

Recommended Tapes

Teac # CT-450

Storage Capacity

Diskette: 360 Kbytes (formatted)
500 Kbytes (unformatted)
Fixed: 71 Mbytes (formatted)
85 Mbytes (unformatted)
Tape: 20 Mbytes

Transfer Rate

Diskette: 250 Kbits/sec
Fixed: 5 Mbits/sec
Tape: 700 Kbits/sec

Access Time

Diskette: 93 milliseconds average
Fixed: 28 milliseconds average

Input/Output

Two RS-232C serial asynchronous ports, 150-19.2 Kbps
Eight RS-422 serial ports, 800 Kbps (SDLC link)
One Centronics-type parallel port

Distance Between Personal Mini and Connected Workstations

1000 feet using shielded, twisted pair cable
6000 feet using Optical Data Systems ODS214/215 fiber optics modem and duplex fiber cables

Power Requirements

US: 115 VAC (± 12 VAC)
International: 230 VAC (± 12 VAC)

Power Consumption

2 amp maximum at 115 VAC
1 amp maximum at 230 VAC

Start Current

1.8 amp at 115 VAC (US)
1.0 amp at 230 VAC (International)

Dimensions

Height: 7.25 inches (18.2 cm)
Width: 17.5 inches (43.8 cm)
Depth: 16.875 inches (42.0 cm)
Weight: 35 lbs. (net)
45 lbs. (shipping)

Composition

Injection-molded plastic

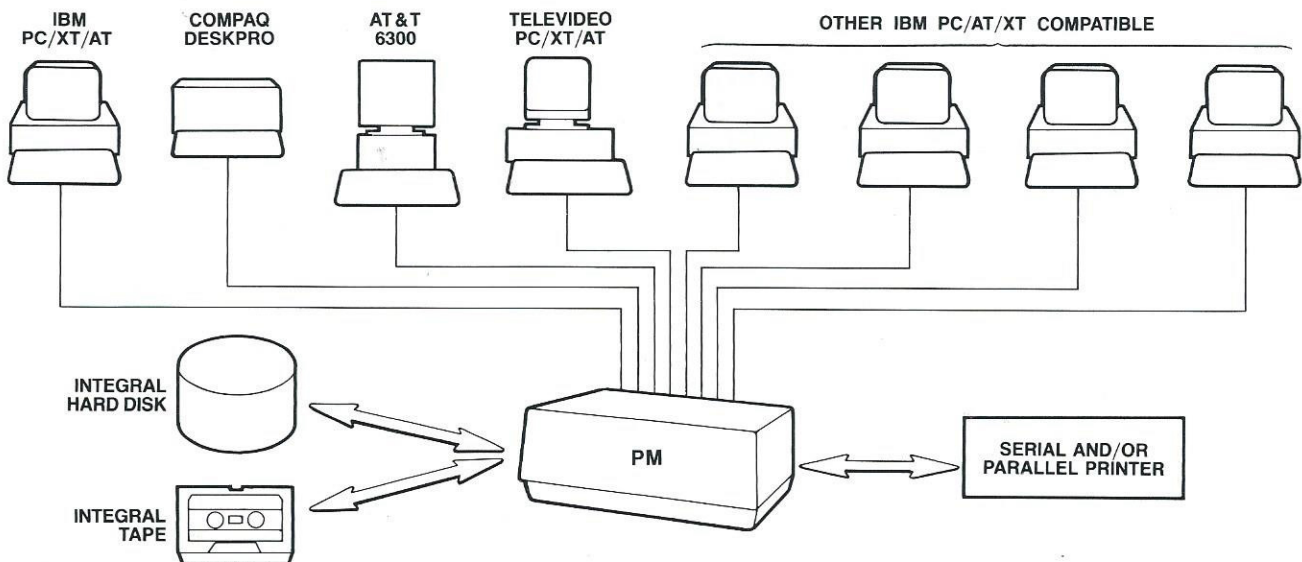
Environment

Operating temperature:
50 to 85 degrees Fahrenheit
10 to 30 degrees Celsius
Nonoperating temperature:
32 to 120 degrees Fahrenheit
0 to 50 degrees Celsius
Maximum humidity: 95% relative, non-condensing

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Typical PM/16T-85 Configuration



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