

# Personal Mini<sup>™</sup> Model PM/4T Plus

## The Price / Performance Leader In PC Networking

- High-performance, low-cost PC network
- Four workstation ports, expandable to 12
- Easy installation
- 20-Mbyte disk storage, expandable to over 100 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<sup>™</sup> network operating system, customized version of Novell Netware
- Four levels of security
- Integral 20-Mbyte streaming tape drive



The Personal Mini PM/4T Plus is an economical solution for the small business or office that needs the power of a mini-computer but not the expense.

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

### Flexible Growth Path

The PM/4T Plus accepts a wide variety of workstations. Up to four 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/4T Plus can be configured with 12 users and more than 100 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. It even provides concurrent use of single-user DOS programs.

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

The PM/4T Plus. The power of a minicomputer at a fraction of the cost.



# PM/4T Plus 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: 20 Mbytes (formatted)  
26 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: 85 milliseconds average

## Input/Output

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

## Distance Between Personal Mini and Connected Workstations

1,000 ft. using shielded, twisted pair cable  
6,000 ft. 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

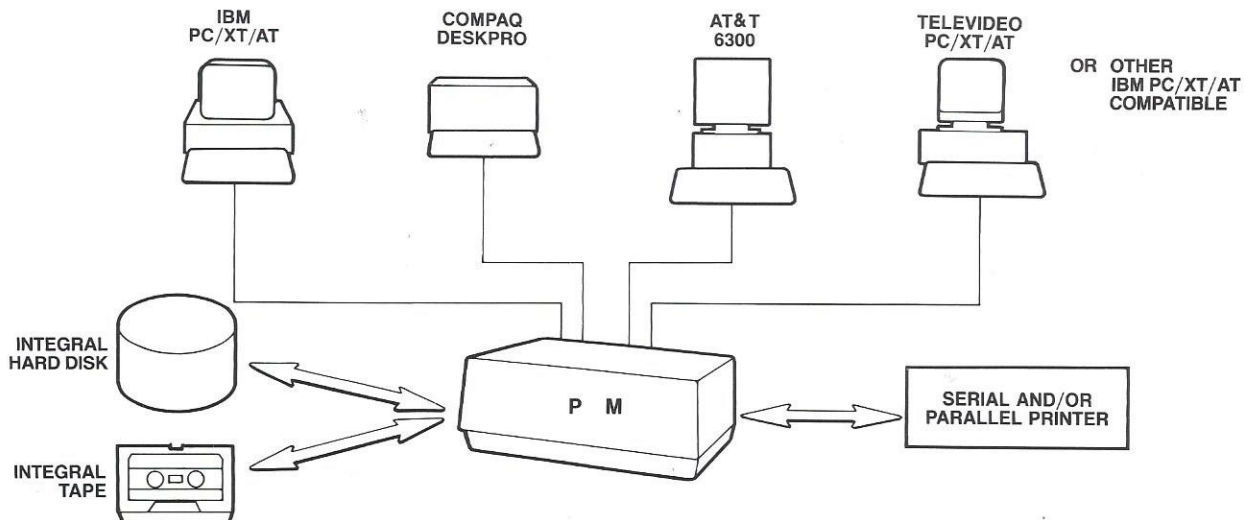
## Environment

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/4T Plus Configuration



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