Personal Mini™
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™ 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.

◆ TeleVideo®

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 Sys-
   tems 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)
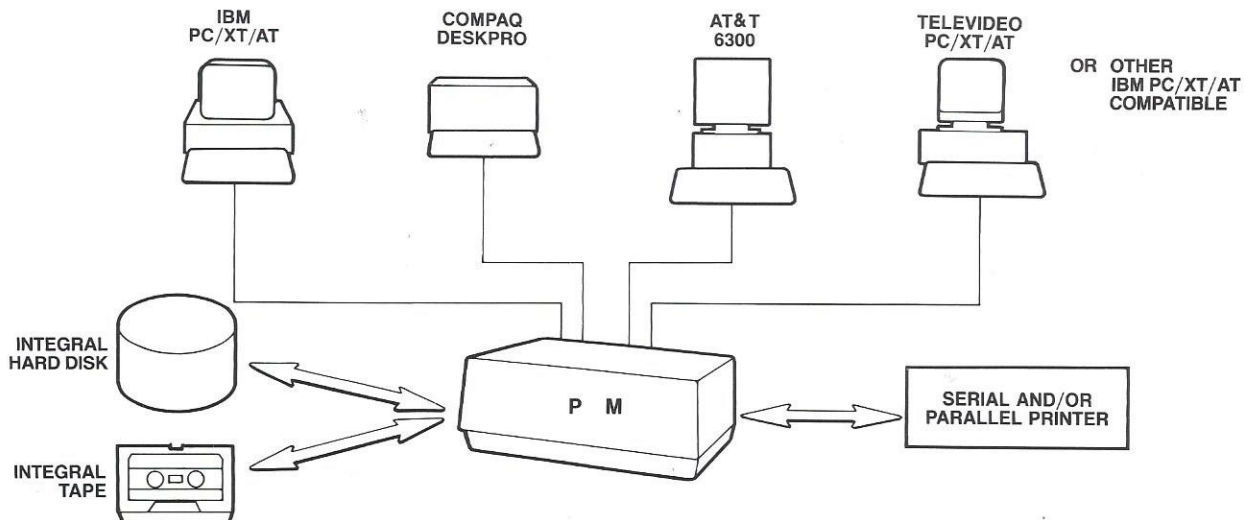
Composition
Injection-molded plastic

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

Typical PM/4T Plus Configuration