

# Personal Mini<sup>™</sup> Model PM/16T

## The High-Performance, Low-Cost PC Network

- Eight workstation ports, expandable to 16
- Easy installation
- 44.5-Mbyte disk storage, expandable to over 130 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



Our Personal Mini PM/16T is a professional business system that gives IBM-compatible personal computers the advantages of a network at a low cost.

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

### Flexible Growth Path

The PM/16T 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.

### 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. Your existing hardware and software assets can be fully utilized in the Personal Mini network. In addition, InfoShare /M offers four levels of security to give you total control over system users.

The PM/16T. The power of a minicomputer at a fraction of the cost. Call us toll free for more information or to arrange a demonstration.

# PM/16T 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: 44.5 Mbytes (formatted)  
Tape: 20 Mbytes (formatted)

## 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

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

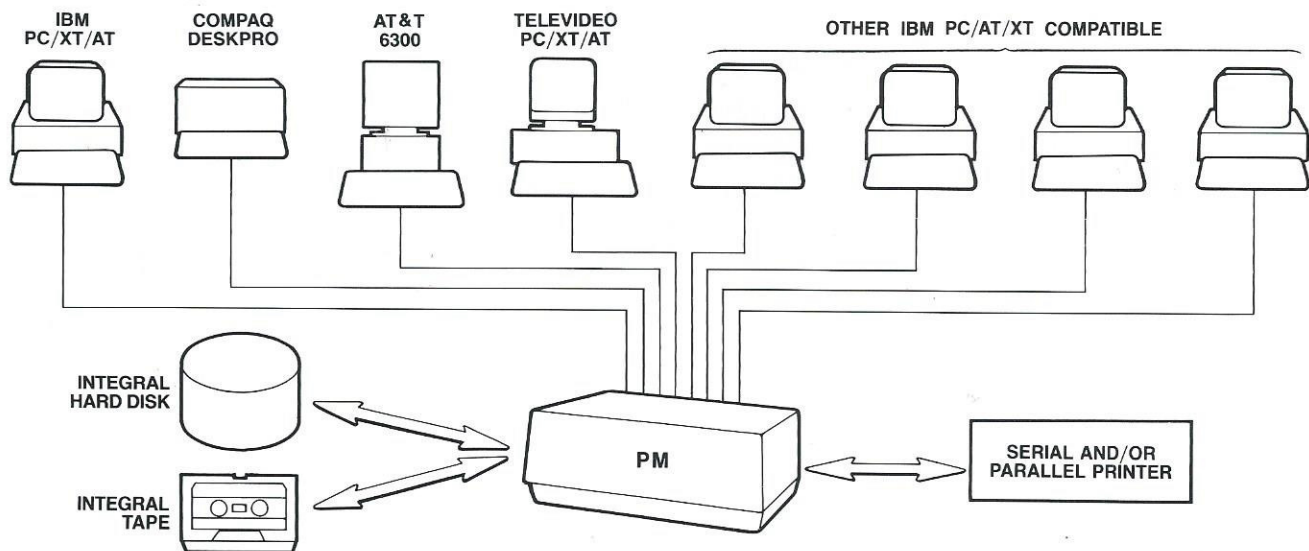
## Environment

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

The following trademarks appear in this publication: Intel, Intel Corp.; IBM, International Business Machines Corp.; MS-DOS, MicroSoft Corp.; Novell, Novell, Inc.; AT&T, American Telephone and Telegraph Inc.; Compaq and Deskpro, Compaq Computer Corp.; Centronics, Centronics Data Computer Corp.; Zilog, Zilog, Inc.; and TeleVideo, Personal Mini, InfoShare and logo, TeleVideo Systems Inc.

128368-00 Rev. C © TeleVideo 11/85 Printed in U.S.A.  
To order packets of 100, use 128368-50 Rev. C.

## Typical PM/16T Configuration



**Regional Sales Offices:** California/Sunnyvale (408) 745-7760, California/Santa Ana (714) 476-0244, Georgia/Atlanta (404) 447-1231, Illinois/Chicago (312) 397-5400, Massachusetts/Boston (617) 890-3282, New York/New York (516) 496-4777, Texas/Dallas (214) 258-6776, Northern Europe/The Netherlands 011.31.2503.35444 Telex 84474615 (74615 TLVDO NL), United Kingdom 011.44.9905.6464 Telex 851858922 (858922 TELVID), Southern Europe/France 011.33.1.4687.34.40 Telex 842205191 (TVIVID 205191F), Latin America, Asia, Pacific/U.S.A. (408) 745-7760.

1170 Morse Avenue, P.O. Box 3568, Sunnyvale, CA 94088-3568. Toll free (800) 521-4897. Telex 4745041 TVISYS.