mt-10

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Lan Workstation

The *NT10* is a full feature IBM compatible Diskless Network Workstation built within an AT type keyboard.

Performance

The *NT10* design is a balance between performance and cost. The speed is in the AT range without the higher cost of 80286 technology. The high speeds of the PCO net and the fast *NT10* processor make the user feel they're using an AT class computer with a local hard disk.

The *NT10* is 5 times faster than 8088 based 8-bit products (Norton performance rating of 5.0). This gives the *NT10* the speed to run Windows and other demanding applications. (The IBM PC XT is rated at 1.0, the PS/2 model 30 is rated at 1.9, and a 6 MHz AT is 5.5)

Networking

Networking is the key ingredient. The built-in LAN hardware is compatible with the PCO Netboard II system used in thousands of networks. The 4.0 Megabit/sec., large block, low overhead network technology used puts the *NT10* in the highest LAN performance range. The PCO Net has the advantage of low cost, easy-to-use twisted pair net wiring.

The *NT10* can be used in networks that use other types of boards by bridging.

Expanded Memory

PC Office has integrated the new LIM 4.0 expanded memory hardware onto the mother board of the *NT10*. The expanded memory hardware is supported by a EMS 4.0 driver. The full 1 Megabyte of *NT10* RAM can be used by applications that support this standard or the earlier LIM specs.

Software

The *NT10* can be used with any of the popular network operating systems including:

NOVELL	NETWORK OS	IBM PC LAN
LANtastic	10 NET	VIANET
TAPESTRY	XENIX NET	PC/NOS
3 + SHARE	D\DOS (Distributed DOS)	

Xenix Net can be used to connect *NT10* diskless workstation to servers that are running Xenix. The workstation can share disk files in Xenix or MS DOS format. The *NT10* can move easily from uses as a Xenix terminal to an MS DOS computer. With the PC Office Star Hub wiring used for terminals can be easily converted to LAN wiring.

Hardware

The rear of the unit has connectors for a standard color or monochrome monitor, LAN cable, parallel printer port, serial port and low voltage power input. With the *NT10* connected to a video monitor, users have a complete networked computer made up of only two pieces. The unit measures $2\frac{1}{2}$ x $8\frac{1}{4}$ x $18\frac{3}{8}$.

The complete workstation is built on a single printed circuit board that contains the computer, LAN adapter, video, I/O ports, 1 Megabyte of 16 bit RAM and a small switching power supply. Because the *NT10* uses so little power, no fan is required and no noise is generated. The power is supplied by a small 18 volt transformer that plugs into a wall outlet and connects via a 3.5mm plug.

The video output of the Diskless supports CGA, MONO, and HERCULES compatible modes selected by a switch on the rear panel. The LAN hardware is contained on a special integrated circuit designed by PC Office.

Keyboard Design

The *NT10* uses a high quality touch tactile 101-key keyboard, and incorporates a patented roll-over system for fast error-free data entry. The *NT10* is made in accordance with low-profile DIN ergonomic standards.

Power System

The *NT10* is the lowest power Diskless on the market at only 15 WATTS. The *NT10* Power Supply design makes it very easily adapted to any local power system. The input power is 18 volts AC and is supplied from a small wall mount plug-in transformer. This means it will run reliably for years without annyoing fan noise.

Indicators

On the right side of the *NT10* three LED indicators show the keyboard status. The lights indicate Caps Lock, Number Lock, and Scroll Lock. On the right side as part of the *NT10* logo are two LED indicators, Network Busy and *NT10* Active.

Memory Sizes

The *NT10* is available with 1 Megabyte, 512K, or Zero K. Standard SIM memory modules are used for quick installation.

NT10 Features

- 80C86 16 bit, 10 MHz processor
- 16 bit internal memory bus
- 1 MB of RAM memory: 640K main memory and 384 K expanded memory using LIM 4.0 control
- CGA and Hercules compatible Monochrome video
- Netboard II LAN adapter 4.0 or 2.5 mbs
- Parallel port ■ Serial Port ■ Integrated Power Supply
- Silent operation...15 watts total power
- Socket for 80C87 Math coprocessor
- Performance 5 times the original IBM PC
- Data security ■ Small footprint
- Controlled operating environment

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