

LANPC MICRONET™ NETWORKING FOR THE IBM PC

From Intercontinental Micro Systems

Intercontinental Micro's LANPC provides a simplified interface between IBM-PCs™ and MicroNet Local Area Networks. It complies with the IBM PC bus standard and can also be used with some PC Compatibles. The LANPC board can also be used to interface with other ARCnet systems and software. The board contains the complete controller for an ARCnet™ modified token passing network. The LANPC is ideal for converting PC's to LAN Intelligent Workstations, Diskless Workstations and File Processors. The LANPC can also be delivered with an optional 64 KBytes of onboard RAM, expandable to 256K. Onboard RAM can be used to expand system memory, thus allowing you to have both MicroNet and RAM capability into one PC slot. MicroNet protocols allow linking up to 255 nodes per network, each node can be an individual IBM-PC, or any other computer with MicroNet capability. Nodes can also be Individual Workstations, or Bus Structured Networks with up to 16 Slaves per Master. The LANPC has been specifically designed to interface with other ICM hardware and the TurboDOS operating system using the revolutionary TurboLAN™ software drivers. Using Intercontinental's LANPC, and other Intercontinental products you can build a fast, reliable multi-user network with up to 4000 users.

STANDARD FEATURES

- 64 or 256 KBytes of Dynamic RAM. (Optional)
- 2/4/8 KByte EPROM with network related software.
- Fully Interrupt Driven.
- Compatible with ICM's LANS100, S-100 Bus ARCnet Controller and other ARCnet Controllers.
- 16 bit CRC check and generation.
- No host processor overhead for link control.

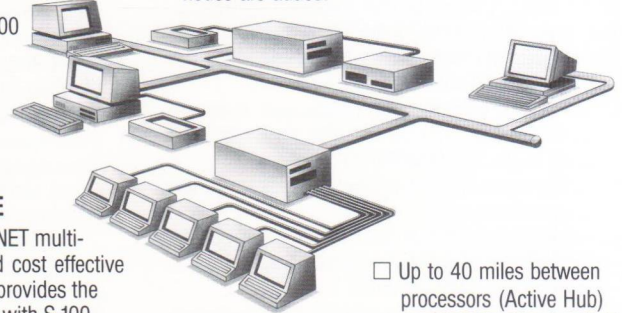
MICRONET & TURBODOS NETWORK ARCHITECTURE

Intercontinental's revolutionary MicroNET multi-user architecture uses the sophisticated cost effective TurboDOS Operating System. MicroNET provides the flexibility of building multi-user systems with S-100 BUS Structured Networks and ARCnet protocol Local Area Networks.

MicroNET offers:

- Ability to network S-100 Bus Systems, IBM-PC's, some PC Compatibles, ICM's Diskless Workstations.
- Uses Master Processor/File Server such as Intercontinental's CPZ Single Board Computer.

- Up to 4000 users per network with 255 nodes per network.
- Network self configures and efficiency increases as nodes are added.



- Up to 40 miles between processors (Active Hub) or 2300 FT. (Passive Hub)

- 2.5 MBIT/SEC data transfers.
- Communication across S-100 BUS, Coax cable, or twisted pair.

TURBODOS OPERATING SYSTEM

TurboDOS is a true multi-user Operating System because it was designed from its beginnings to handle multiple computers running simultaneously on one

