BLACK BOX®
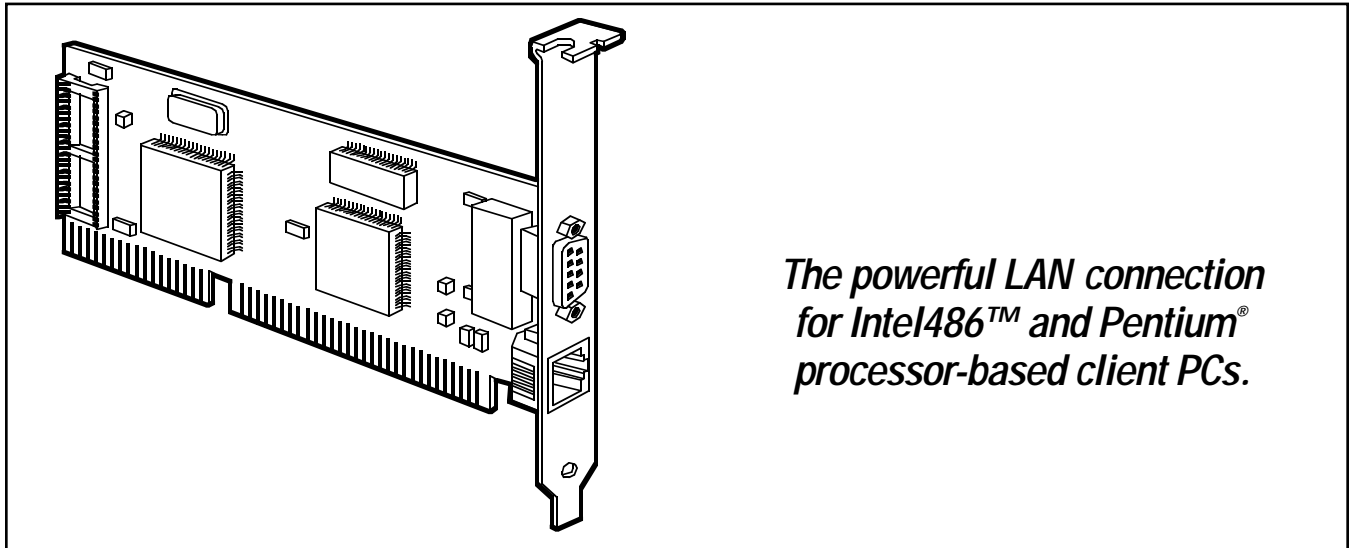## NETWORK SERVICES

INTEL TOKENEXPRESS™ PRO LAN ADAPTERS WITH FLASH

The powerful LAN connection for Intel486™ and Pentium® processor-based client PCs.

Key Features

▶ *Performance optimized for ISA workstations.*

▶ *Complete Token Ring interoperability.*

▶ *Plug 'n Play support.*

▶ *Ring speed autosensing for easy installation and effortless future ring speed upgrades.*

▶ *Operates at 4 or 16 Mbps on both STP and UTP connectors.*

▶ *Supports DMI, SNMP, LANDesk® Express and IBM management*

Intel's TokenExpress PRO Adapters with Flash deliver superior networking performance and unparalleled ease of use for today's high-powered workstations on Token Ring LANs. Built to take full advantage of Intel's expertise in processor technology and system design, TokenExpress PRO Adapters are the high-performance choice for your Intel486™ or Pentium processor-based workstations.

A powerful array of TokenExpress PRO Adapter features combine to give you optimum throughput in your Token Ring environment. For example, selective frame processing increases performance by separating and processing the MAC frames and the data frames in parallel. Advanced drivers with 32-bit buffering take advantage of wider data paths on the host. And concurrent processing, an early interrupt technology, increases throughput still further by minimising packet latencies.

Other features include:

• Centralised driver/utility updates

• Pre-boot virus protection

• On-board PC configuration history

Technically Speaking

With TokenExpress PRO Adapters, you can take your pick of node management tools. Intel's Windows® based LANDesk® Express management software is included in 10 and 50 packs and available free from our bulletin board. The adapters also support the Desktop Management Interface (DMI) specification, and Intel's LANDesk SNMP Gateway is available for desktop management using standard MIB II and Host resources MIB objects.

What's more, all Intel TokenExpress boards are verified as fully compatible with IBM network management tools used on Token Ring networks, including LAN Network Manager and NetView.

Switchless, autosensing installation.

Installing Token Ring adapters has never been easier. The TokenExpress PRO Adapter with Flash is designed to support the industry Plug 'n Play specification. Just insert the board in the PC, turn on the power, and you're done. There are no switches or jumpers to set. The board even automatically senses whether the ring is operating at 16 or 4 Mbps and adjusts accordingly.

In NetWare® environments, Intel's exclusive FlashWorks software automatically configures the board and downloads and installs drivers from a server. Other NOS or multi-protocol environments get the same easy configuration and test capability using our TokenSet utility and on-line documentation that walks you through the process.

Benefits you don't expect from a LAN adapter.

You get more than a price/performance edge with TokenExpress PRO Adapters. You also get a variety of benefits that help keep your LAN running smoothly.

- Pre-boot virus protection—Patented anti-virus technology guards against thousands of computer viruses. It automatically scans each PC at boot time, removes boot sector and file viruses and creates a log file to keep you informed.
- View your PC configuration history—An on-board configuration history (i.e. config.sys and autoexec.bat) for each workstation makes it easier to troubleshoot PC problems when they occur.
- Centralised updates—Keep your client PCs up to date by automatically downloading new drivers and network utilities from a NetWare file server to selected nodes on the network. No more running from PC to PC with a disk to update each system.

Verified compatibility with IBM environments.

Interoperability starts at the design stage. TokenExpress PRO Adapters have been carefully designed to international standards such as IEEE 802.2 and 802.5, and to industry standards such as IBM's DLC, Novell's IPX, ODI, and Microsoft's NDIS.

Intel also runs the adapters through exhaustive interoperability testing in our million-dollar Token Ring lab, and also at the University of New Hampshire interoperability lab, Technical Reference Interoperability Lab (TRIL) and the Tolly Group. All of which means you're assured of compatible operation in your Token Ring environment.

Ordering Information

ITEM	CODE
Intel TokenExpress LAN Adapters	
ISA/16	PCLA8130B
ISA/16 (10-Pack)	PCLA8130BPAK10
MCA	MCLA8330
MCA (10-Pack)	MCLA8330PAK10
EISA	EILA8235
EISA/32	EILA8245
PRO	PCLA8155
PRO (10-Pack)	PCLA8155PAK10
PRO (50-Pack)	PCLA8155PAK50