TX/T4

EM110 TX/T4

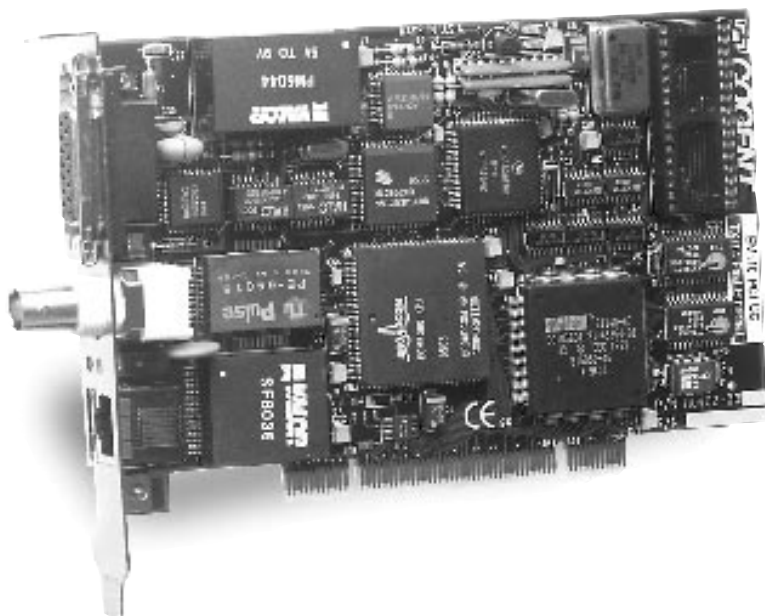**Ultimate Combo**

Fast Ethernet

10/100 Adapter

10/100 Ultimate Combo

"The Ultimate Combo goes where no adapter has gone before, giving you both T4 and TX Fast Ethernet, and 10 Mbps over UTP, BNC, and AUI, all on the same card."

Features

- Supports 10 Mbits/sec. Ethernet over UTP, BNC, and AUI cabling

- Supports 100 Mbits/sec. Fast Ethernet on both 100BASE-T4 and 100BASE-TX cabling standards

- Eliminates cable incompatibilities; will run on virtually any cable in any environment

- Self-configuring design for worry-free installation and operation; full AutoSensing capabilities

- BNC, UTP, and AUI cable ports provide backwards compatibility to 10 Mbits/sec. networks

- Supports both 3.3 volt and 5 volt PCI buses

- ROM Socket for Flash or Boot ROM

- Powerful performance features, including 132 Mbytes/sec. PCI bursting and Full Duplex support

- Predictive Pipelining™ for greater NetWare throughput with lower CPU utilization

- All popular networks supported

- Comprehensive diagnostics utility

- Limited lifetime warranty

COGENT
DATA TECHNOLOGIES, INC.

TX/T4

EM110 TX/T4
Ultimate Combo
Fast Ethernet
10/100 Adapter

Get it together—with the Ultimate Combo

Confused by Ethernet options? You're not alone. Standard Ethernet runs at 10 Mbits/sec. on three different cabling types–twisted pair, BNC, and AUI. Fast Ethernet runs at 100 Mbits/sec. over two different standards and at least five different cabling types. The fact is, while Ethernet technology now provides two line speeds and runs on virtually any cable, individual products typically support only one cable type and one line speed. You need an entire arsenal of adapters just to install one simple network.

Until now. The Ultimate Combo makes most other adapters look obsolete. The Ultimate Combo offers unbeatable Fast Ethernet performance in both T4 and TX environments, and supports all 10 Mbits/sec. cable environments, including UTP, BNC, and AUI, for the ultimate in compatibility and ease-of-use.

Upwardly mobile

Your most critical applications are also your most mobile ones. Your MIS group installs and sets up servers at the corporate office, for shipment to the remote office. What kind of cable has been installed there? Your network protocol analyzer moves from office to office solving mission-critical problems. What cable type will it encounter next? Your operation's bottom line relies heavily on your training presentations and product demonstrations, which are always on the move. And, what if your entire operation moves to a new building, and your new cabling is completely different? For all these situations and more, install the Ultimate Combo and eliminate the next costly cabling incompatibility.

Backwards compatibility—forward-thinking design

Network upgrades don't happen all at once, so you want an adapter that helps bring your network up to speed without glitches. The Ultimate Combo supports 10 Mbps on twisted pair, Thinnet BNC, and AUI cable. Install the Ultimate Combo where you want Ethernet now, and also where you want Fast Ethernet in the future.

*Cogent offers Ethernet products to meet every adapter and repeater environment, including 10BASE-2, 10 BASE-5, 10BASE-T, 100BASE-TX, 100BASE-T4, and 100BASE-FX (fiber).

Product Specifications

Systems Supported
PCI Local Bus computers

Bus Interface
PCI, 32-bit bus master

Fast Ethernet Controller
DECchip® 21140 LAN coprocessor

Hardware Interrupts
Assigned by BIOS

Base I/O Memory Address
Assigned by BIOS

PCI Configuration Space
Supports DWORD, WORD, and BYTE access

ROM Socket
32 pin socket, supports up to 2 Megabit FLASH ROM

Reliability
Calculated MTBF >100,000 hours

Power Requirements
+3.3 or volts @ 5 Amp. max, or +5 volts @ 3 Amp. max

Environmental Operating Range
Temperature: 0° C to 50° C
Relative Humidity: 5% to 85% non-condensing
Altitude: 3000m maximum

Interface Connections
RJ-45 female, supports 10/100 Mbps
BNC connector, supports 10 Mbps
AUI connector, supports 10 Mbps

Full Duplex Support

10BASE-T
100BASE-TX

Dimensions
6" x 3.9" (conforms to PCI Short Card specification)

Standards Compliance
IEEE 802.3 10BASE-2
IEEE 802.3 10BASE-5
IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-T4
IEEE 802.3u 100BASE-TX
FCC A, CE A

Drivers Available
3.5" diskette
NetWare 3.x, 4.x, NetWare Lite, Personal NetWare, LAN Manager, VINES, IBM LAN Server, OS/2 Warp, Artisoft LANtastic, Windows for Workgroups, DEC PATHWORKS, FTP PC/TCP, LAN Workplace for DOS, Windows NT for Alpha, Intel, and PowerPC, Windows 95, Windows for Workgroups 3.11

Diagnostic LEDs
Network Activity (yellow)
Link Status 10/100 (yellow/green)

Warranty
All eMASTER+ series adapters are protected by a limited lifetime warranty

Ordering Information
Order Number	Connectors
EM110PCI UC	RJ-45, AUI, BNC

Made in U.S.A.

CE 96

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