

CentreCOM Ethernet Adapter Cards

32-bit PCI Bus Mastering

AT-2450T
AT-2450BT
AT-2450AT
AT-2450FT

UTP/STP
UTP/STP and BNC
UTP/STP and AUI
UTP/STP and Fiber

- Auto-configurable on power-up
- Improved performance through reduced CPU utilization
- 32-bit PCI bus, version 2.0 compatible
- Full duplex operation
- Support for all major network operating systems
- Auto-sensing media connectors
- MIB II compliant SNMP agent with full TCP/IP transport
- Full media support including UTP, STP, BNC, AUI and Fiber
- Four diagnostic LEDs & diagnostic software
- Boot ROM socket available for centralized or remote booting
- IEEE 802.3 and ISO/IEC 8802-3 compatible
- Free technical support
- Lifetime warranty



Allied Telesyn's AT-2450 Series adapters connect high-performance computers with a Peripheral Component Interface (PCI) architecture to Ethernet networks. The Bus Mastering architecture of the card, combined with Direct Memory Access, minimize CPU utilization, freeing your computer's power for the most memory-intensive applications.

These high-performance adapters utilize the 32-bit PCI bus architecture, which transfers data at speeds up to 33 Mhz with data throughput rates as high as 132 Mbps — up to 16 times faster than the traditional ISA bus. Both high-speed systems and applications requiring multimedia and video data transfer will benefit from this solution. Full duplex operation (available 4Q95) will enable the AT-2450 to transmit and receive data simultaneously, further increasing speed and efficiency.

The AT-2450 Series PCI adapter cards are auto-configurable for Plug and Play, dramatically reducing installation time. Now you can forget about allocating DMA channels, setting I/O addresses or deciphering IRQ settings because the AT-2450 and your PCI system automatically allocate the necessary resources.

A full set of network drivers is included for the most popular operating environments in the industry. CardAssistant diagnostic software and four LEDs assist in troubleshooting. For added network integrity and security, a Boot ROM socket is available for centralized software distribution or remote booting. Both a TCP/IP transport and SNMP agent are shipped with every card free of charge. Allied Telesyn offers a lifetime warranty as well as the widest selection of media support in the industry.



STATUS INDICATORS

Transmit	Indicates a packet is being transmitted onto the media
Receive	Indicates packets are being received from the media
Link	Indicates a valid receive link exists
Collision	Programmable to indicate collision or full duplex

PC INTERFACE

Bus Interface	PCI
Bus Width	32-bit
Data Transfer Mode	DMA Bus Mastering

ETHERNET INTERFACE

10BASE-T (UTP/STP)	EIA/TIA categories 3, 4 or 5 to a maximum of 100 meters
10BASE2 (BNC)	RG58 A/U or equivalent (thinnet) to a maximum of 185 meters
10BASE5 (AUI)	IEEE 802.3 interface to external transceivers to a maximum of 50 meters
10BASE-FL (Fiber)	62.5/125 μ m (also 100/140 or 50/R5 fiber cable) with an insertion loss of less than 8 db/km (also 11 db/km or 6.5 db/km) to a maximum of 2 kilometers. ST connectors.

DRIVER SUPPORT

NDIS 2.0 Server	LAN Manager, Banyan Vines, DEC Pathworks, IBM LAN Server
NDIS 2.0 Client	Windows, Windows for Workgroups, OS/2
NDIS 3.0	Windows for Workgroups 3.11, Windows NT/NTAS, Windows 95*
ODI Server	NetWare v. 3.2x, v. 4.0x server
ODI Client	NetWare DOS Client, Personal NetWare
UNIX	SCO, Univel

Packet Driver FTP, Wollongong, NetManage, PC-NFS

*Available with 2.2 software 4Q95.

POWER CHARACTERISTICS

Supply	Typical	Worst
	+5 volts at 1.0 Amp	+5 volts \pm 10%

PHYSICAL CHARACTERISTICS

Dimensions	10.7 cm x 15.3 cm (4.2 in. x 6.4 in.)
Weight	120 grams (4.2 oz.)
Temperature	
Operating	0° to 50° C
Storage	-20° to 60° C
Relative Humidity	5% to 80% non-condensing

Electrical/Mechanical Approvals:

EMI	FCC Class A
Safety	Approval Pending for UL, CSA

ORDERING INFORMATION

AT-2450T	10BASE-T (RJ45)
AT-2450BT	10BASE-T (RJ45) and 10BASE2 (BNC)
AT-2450AT	10BASE-T (RJ45) and 10BASE5 (AUI)
AT-2450FT	10BASE-T (RJ45) and 10BASE-FL (Fiber)

All media types are available in single and multipacks for additional savings.



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