

P430TX

PCI Quad Fast Ethernet Card 10/100 Mbps DATASHEET

AEI's P430TX Fast Ethernet adapter offers combined density, and maximum Fast Ethernet connectivity for Windows or UNIX server environments and Firewalls.



- ❑ Four 10/100Base-Tx Ethernet ports
- ❑ Copper RJ-45 UTP connectivity
Up to 100 meters.
- ❑ PCI 32/64-bit, 33 MHz
- ❑ Auto-negotiation
- ❑ Device Drivers
 - Windows
 - HP-UX
 - Solaris (x86 & SPARC)
 - Linux
 - FreeBSD
 - NetWare
 - OpenBSD
 - VxWorks
 - and more, call for details
- ❑ PCI 2.1 compliant and compatible with
PCI 2.2 and PCI-X slots
- ❑ Advanced Server Features
 - Trunking (Layers 1, 3 & 4)
 - Active Port Failover
 - Adaptive Load Balancing
 - Dynamic Load Balancing
- ❑ Compatible with Cisco EtherChannel,
SunTrunking, and all industry trunking
algorithms.

Consolidate multiple server 10/100 Mbps ports onto a single low cost network interface card (NIC).

The P430TX is ideal for Firewall security appliances, co-location, server farms, ISPs, and those looking for increased flexibility and scalable bandwidth for workgroup and departmental servers that have limited PCI slots.

With AEI's PacketEngine Software, all four ports can be trunked based on the Physical Layer, network protocols (http, ftp, SMTP), socket, and/or IP Address. With all four ports trunked, the P430TX offers aggregate full duplex bandwidth of 800Mbps surpassing the actual performance of many Gigabit Ethernet cards available on the market today.

PacketEngine can also automatically detect network link failures, and switch traffic over to an "active" redundant link, part of a failover group, in a matter of milliseconds. Unlike conventional failover solutions, PacketEngine's fast failover eliminates the need to reconfigure the network protocol stack and the relearning process of layer 2 MAC addresses by clients to reestablish a network link after a failure. This sub-second failover provides transparent network link recovery from cable, port, or adapter faults.

These advanced server features are unique to the AEI line of Ethernet Adapters, and are provided at no additional expense through our PacketEngine Software suite with card purchase.

The P430TX's cross platform support offers a more rugged design, higher-end components, and improved filtering. This translates to cleaner signal integrity, higher performance, and higher reliability.

Fault Tolerance and High Reliability. No one offers a more comprehensive advanced server suite than AEI. That's why Tier-1 and Tier-2 OEMs, system integrators, and others choose AEI.



Four Port 10/100 Fast Ethernet Adapter

SPECIFICATIONS:

| | | |
|----------------------------|---|-----------------------|
| Part Numbers: | P430TX | Four RJ-45 Connectors |
| Number of Ports | Four 10/100 ports, with optional full duplex operation up to 200 Mbps performance. | |
| Ethernet Controller | Four Intel 21143 | |
| Network Topology | 10Base-T, 100Base-Tx Auto-Negotiation (NWay) | |
| Standards | IEEE 802.3, 802.3u, 802.3x (Flow Control), 802.1Q(VLANs), and 802ad | |
| Protocols | CSMA/CD Ethernet | |
| Bus Type | PCI 2.1, compatible up to PCI 2.2 and PCI-X | |
| Slot Type | 32/64-bit, 33 MHz | |
| Bus Mastering | 32-bit mastering reduces CPU utilization. | |
| LED's | ACTIVITY, 100 Mbps, and LINK | |
| Parallel Detection | Yes | |
| Device Drivers | Windows * Novell NetWare Linux * Sun Solaris (x86 & SPARC) HP-UX(PA-RISC) IRIX(Call) FreeBSD and OpenBSD VxWorks * Updated device drivers available at http://aei-it.com | |
| Dimensions | 4.2 inches(H) x 6.8 inches(L) Universal Short Card | |
| Environmental | Temperature: 0 to 60C Humidity: 5 to 90%, non-condensing Altitude: Up to 3,048 meters | |
| Emmissions | FCC Class B, CISPR-22-A, VCCI-A, CSA 22.2 No. 950-95; and CE compliant to EN55024, EN50082-1, EN60950 | |
| Power | Operating Voltage 3.3 VDC/5VDC (Less than 15 Watts) Consumption: 5W | |

* Device Drivers are built into the operating system. PacketEngine users must install the AEI driver.

Specifications subject to change without notice. Contact AEI for complete technical detail, configuration options, and ordering information. All brands, products, and logos are trademarks of their respective holders.



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