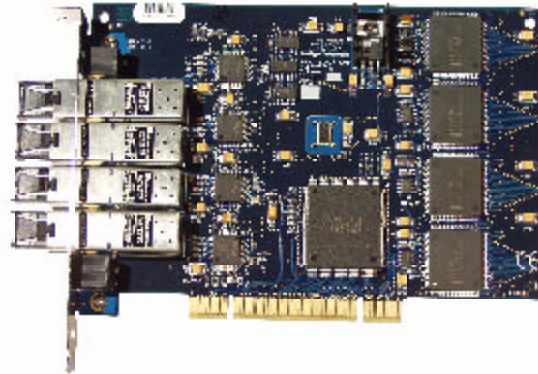


P430FX

PCI Quad Fast Ethernet Card Fiber Optic 100Mbps DATASHEET

AEI's P430FX Fast Ethernet adapter offers combined density, and maximum Fast Ethernet connectivity for fiber optic Windows or UNIX server environments and FireWalls.



- ❑ Four 100Base-Fx Ethernet ports
- ❑ 62.5/125 μm and 50/125 μm Multimode Fiber, 1300 nm
- ❑ PCI 32/64-bit, 33 MHz
- ❑ Four VF-45 or LC Fiber Connectors
- ❑ Device Drivers
 - Windows
 - HP-UX
 - Solaris (x86 & SPARC)
 - Linux
 - FreeBSD
 - NetWare
 - OpenBSD
 - VxWorks
 - and more, call for details
- ❑ Fully compliant with IEEE 802.3u
- ❑ 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 100Mbps ports onto a single network interface card (NIC). The P430FX is ideal for high electro-magnetic environments; for time sensitive transactions (such as voice and video); or where cable lengths exceed 100 meters. Moreover, fiber optic networks offer resistance to tapping, and is perfect for secure environments.

AEI's P430FX is an integrated multi-port PCI fiber optic Ethernet solution that pulls power from the PCI bus. Subsequently, the necessity to power-up a media converter using wall power or hardwiring is eliminated, which results in much improved power consumption.

The P430FX eliminates the expense of media converters and fiber optic gigabit connectivity (switches & hubs). This high performance card can support four separate 100Base-Fx fiber network segments (200 Mbps per channel in full duplex).

With AEI's PacketEngine Software, all four ports can also be trunked based on the Physical Layer, network protocols (http, ftp, SMTP), socket, and/or IP Address. With all four ports trunked, the P430FX 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.

The P430FX'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 national air traffic control agencies, nuclear research laboratories, and the US Department of Defense have certified AEI fiber optic products.

Four Port 100Base-FX Fiber Optic Ethernet Adapter

SPECIFICATIONS:

Part Numbers:	P430FX-VF P430FX-LC	Four VF-45 Connectors Four LC Connectors
Number of Ports	Four 100Mbps ports, with optional full duplex operation up to 200 Mbps performance.	
Ethernet Controller	Four Intel 21143	
Standards	IEEE 802.3u (100Base-FX)	
Protocols	CSMA/CD Ethernet	
Network Cabling	62.5/100 μ m or 50/125 μ m Multimode fiber cables, 1300nm	
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	RX, TX 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 * Other device drivers available, call for details.	
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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