

PCIe Fast Ethernet Fiber Network Interface Cards

100Base-FX



N-FXE-xx-02 Series is a Fiber Fast Ethernet to PCI-Express (PCIe) bus adapter that fully complies with all IEEE 802.3u and 100Base-FX standards. It provides up to 200Mbps full-duplex bandwidth capacity to support high-end systems. In addition, with advanced functions like VLAN filtering packet processing, the adapter provides added performance, flexible configuration and secure networking to users in a standards-based environment.

The PCI-Express (PCIe) design gives you the maximum possible bandwidth and bus efficiency, along with low power consumption.

For users equipped with PCI-Express systems, N-FXE-xx-02 Series provides the ability to easily build or connect to Fast Ethernet fiber networks.

Ordering Information

N-FXE-ST-02

100Base-FX 1300nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 12.0 dB

N-FXE-SC-02

100Base-FX 1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 12.0 dB

N-FXE-LC-02

100Base-FX 1300nm multimode (LC)
[2 km/1.2 mi.] Link Budget: 13.0 dB

N-FXE-MT-02

100Base-FX 1300nm multimode (MT-RJ)
[2 km/1.2 mi.] Link Budget: 12.0 dB

Features

- PCI-Express x1 Interface
- IEEE 802.3x Full-Duplex Flow Control
- Supports Multicast Frame Filtering
- Supports Asymmetric/Symmetric Flow control
- Supports IEEE 802.1Q VLAN tagging
- IPv6 Capable
- Wake-on-LAN (WoL) power management
- Microsoft certified drivers
- PXE remote boot support
- RoHS Compliance
- UEFI (PC platform BIOS must support)
- Message Signaled Interrupts (MSI)
- Extended Message Signaled Interrupts (MSI-X)
- TCP Segmentation Offload (large send v1 and large send v2 support)
- Available with SC, LC, and MT-RJ multimode fiber connectors
- Standard bracket attached, low-profile bracket included
- Compliant with PCIe Rev 1.1 interface
- Supports Jumbo Frame
- Supports ASF 2.0
- ACPI Supported

Specifications

Standards	IEEE 802.3u IEEE 802.3x IEEE 802.1Q
Bus Slot	PCIe 1.1
Status LEDs	LINK/ACT (Link/Activity): ON = communication link; FLASHING = activity on link FDX (Full-duplex): ON = Full-duplex link
Software Support	Windows 2003, 10, NT 4.0, Windows 2008 Server, Vista, Novell NetWare 5.x, 6.x, Linux
Boot Server Support	PXE Boot ROM
Dimensions	Depth: 4.25" [108 mm] Height: 2.70" [68.5 mm]
Power Consumption	1.2 Watts (max), +3.3 VDC @ 0.7A
Environment	Operating: 0°C to 50°C Storage: -15°C to 65°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	1 lb. [0.45 kg]
Certifications	EMI Standard, FCC Class B, CE Mark
Warranty	Lifetime