



N-FXE-02B Series

Network Adapters



PCIe FAST ETHERNET FIBER NETWORK INTERFACE CARDS

100Base-FX

N-FXE-xx-02B 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-02B Series provides the ability to easily build or connect to Fast Ethernet fiber networks.

Features

Benefits

Ethernet transmission over fiber

More secure than transmission over copper or wireless

PXE remote boot support

Faster, more convenient network access

Wake-on-LAN support

Reduces maintenance interruptions during business hours

Applications:

- Fiber to the desk
- Copper-to-fiber media conversion
- High bandwidth data transmission

Markets:



Government



Education



Enterprise



Specifications

Standards

- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.1P
- 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 Server 2003, 2008, 2012, Windows XP, Vista, Linux 2.4.x, 2.6.x, Novell Netware 5.x, 6.x, Windows 7, 8, 10, 11

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, RoHS

Warranty

- Lifetime

Features

- PCI-Express x1 Interface
- IEEE 802.3x Full-Duplex 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 ST, 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
- ACPI Supported (if PC BIOS supports)

Ordering Information

Part Number	Description
N-FXE-ST-02B	100Base-FX 1300nm multimode (ST) [2 km/1.2 mi.] Link Budget: 12.0 dB
N-FXE-SC-02B	100Base-FX 1300nm multimode (SC) [2 km/1.2 mi.] Link Budget: 12.0 dB
N-FXE-LC-02B	100Base-FX 1300nm multimode (LC) [2 km/1.2 mi.] Link Budget: 13.0 dB
N-FXE-MT-02B	100Base-FX 1300nm multimode (MT-RJ) [2 km/1.2 mi.] Link Budget: 12.0 dB

Contact Information

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