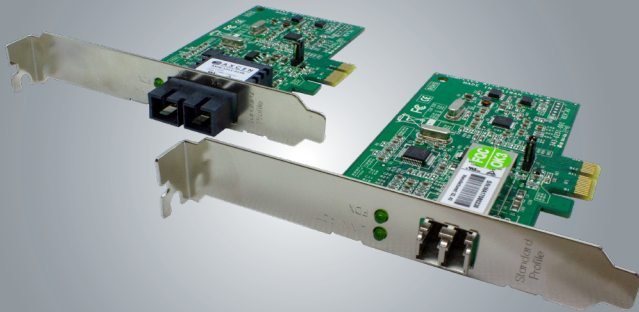




# N-FXE-02B Series

Network Adapters



## PCIe FAST ETHERNET FIBER NETWORK INTERFACE CARDS

### 100Base-FX

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

#### Applications:

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

#### Markets:



Government



Education



Enterprise

#### 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



## 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