N-GXE-xx-01 Series

PCIe Gigabit Ethernet Fiber Network Interface Cards
1000Base-SX

The N-GXE-xx-01 Series is a Fiber Gigabit Ethernet to PCIe bus adapter that fully complies with all IEEE 802.3z and 1000Base-SX standards. It provides up to 2000 Mbps full-duplex bandwidth capacity to support high-end servers. In addition, with advanced functions like VLAN filtering packet processing, the adapter provides enhanced performance, flexible configuration and secure networking for users in a standard-based environment. Two LED indicators (LINK/ACT and FDX) on the bracket will help to oversee the board link, activity and full-duplex status.

Ordering Information

N-GXE-SC-01
1000Base-SX 850nm multimode (SC)
[62.5/125 μm fiber: 220 m/722 ft.]
[50/125 μm fiber: 550 m/1804 ft.]
Link Budget: 7.5 dB

N-GXE-LC-01
1000Base-SX 850nm multimode (LC)
[62.5/125 μm fiber: 220 m/722 ft.]
[50/125 μm fiber: 550 m/1804 ft.]
Link Budget: 7.5 dB

Features

- High bandwidth 1000 Mbps network speed
- Supports full-duplex mode
- Supports IEEE 802.3x Full-Duplex Flow Control
- Supports PCIe x1 bus
- Compliant with PCIe Rev.1.1 Interface
- Supports Jumbo Frame
- Supports High Level VLAN Filtering Function
- Supports IP headers and TCP/UDP checksums offload
- RoHS Compliance
- Supports on-board screening of VLAN tagged Ethernet frames
- Standard bracket attached, low-profile bracket included

Specifications

Standards	IEEE 802.3z 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 98/ME, Vista, 7, 8, 8.1, NT 4.0, Vista Novell NetWare 4.x, 5.x, 6.x, Linux, PXE & RPL Boot ROM
Dimensions	Depth: 4.25" [108 mm] Height: 2.70" [68.5 mm]
Power Requirement	5 Watts, + 3.3VDC@ 1.5A max.
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]
Compliance	EMI Standard, FCC Class B, CE Mark
Warranty	Lifetime