



N-GxX-xC-03

Gigabit Ethernet Network Interface Cards: Gigabit Ethernet 1000Base-SX/LX



Features

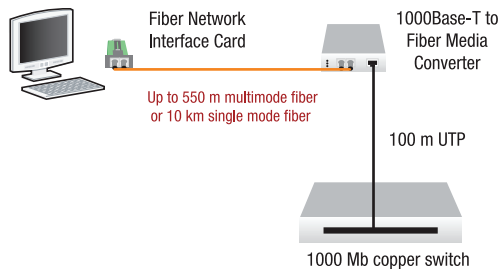
- High bandwidth of 1000Mbps network speeds
- Supports full-duplex mode
- Supports IEEE 802.3x full-duplex Flow Control
- Supports 32/64 bit PCI bus, compliant with PCI 2.2 interface
- Supports Wake on LAN enable/disable
- Supports 802.1p/Q VLAN Filtering function
- Supports on-board verification of IP headers and TCP/UDP checksums for received data
- Supports on-board screening of VLAN tagged Ethernet frames
- Supports 802.3ad Link Aggregation (LACP)
- Integrated Remote Boot types supported: PXE, RPL, and BOOTP
- Ships with standard profile bracket attached, low profile bracket included
- Plug and Play auto-configuration
- RoHS compliance
- Lifetime warranty

1000Base-SX/LX Fiber Port

This Gigabit Ethernet Network Interface Card (NIC) provides a 1000Base-SX or -LX fiber port, delivering fiber optic connectivity to desktops and servers in fiber rich LAN environments. The NIC includes both the standard and the low profile brackets, driver support for today's most popular operating systems, and PCI 2.2 plug-and-play capability, installation is a breeze in virtually any workstation in your network.

The N-GxX-xC-03 is a fiber Gigabit Ethernet to 64 bit PCI-X bus adapter that fully complies with all IEEE 802.3z and 1000Base-SX/LX standards. It provides up to 2000Mbps of bandwidth (full-duplex) capacity to support high-end servers. In addition, advanced functions like VLAN filtering packet processing, provides added performance, flexible configuration, and secure networking for users in a standard-based environments. Two LED indicators (LINK/ACT and FDX) on the bracket will help to oversee the board link, activities, and full-duplex status.

Application



Specifications

Standards	IEEE Std. 802.3z, IEEE Std. 802.1p, IEEE Std. 802.3q, IEEE Std. 802.3x, IEEE Std. 802.3ad
Expansion Bus Standard	PCI 2.2 bus 32/64-bit
Status LEDs	LINK/ACT (Link/Activity): ON = Communication link; Flashing=activity on link FDX (Full-Duplex) On = Full-Duplex
LAN Drivers	Novell NetWare 4.x, 5.x, 6.x PXE & RLP Boot Rom Windows 2000, 2003, 2008, XP, NT 4.0 Linux Windows Vista, 7 SCO UnixWare 7.0 SCO Open Server, Solaris
Boot Server Support	PXE, RPL, BOOTP
PCB Dimensions	Width: 2.2" [56mm] Depth: 6.5" [165mm] Height: 0.9" [23mm]
Power	2.0A @ +5V
Environment	0 - 50°C; 5% - 90% humidity non-condensing 0 - 10,000 ft. altitude
Shipping Weight	1 lbs. [0.45 kg]
Regulatory Compliance	FCC Class A; CE Mark
Warranty	Lifetime

Ordering Information

N-GSX-SC-03

1000BASE-SX 850 nm MM (SC)
[62.5/125 μm: 220 m/ 722 ft.]
[50/125 μm: 550 m/ 1804 ft.]
Link Budget: 7.5 dB

N-GSX-LC-03

1000BASE-SX 850 nm MM (LC)
[62.5/125 μm: 220 m/ 722 ft.]
[50/125 μm: 550 m/ 1804 ft.]
Link Budget: 7.5 dB

N-GLX-SC-03

1000BASE-LX 1310 nm SM (SC)
[10 km/6.2 mi.]
Link Budget: 10.5 dB

N-GLX-LC-03

1000BASE-LX 1310 nm SM (LC)
[10 km/6.2 mi.]
Link Budget: 11.5 dB