



***High Performance 2/4 Port
Gigabit Ethernet Fiber
Adapters for Intel and AMD based
Server and PC platforms***

NX-PCGXx/xi-SA

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2/4 Port Gigabit Ethernet Fiber Adapters

For Intel and AMD based Server and PC systems

NEMONIX™ Engineering Inc. 2/4 port Gigabit Ethernet Fiber Adapters for Intel and AMD based Server and PC platforms offer exceptional performance. They are designed for easy plug-and-play installation utilizing an available PCI or PCI-X slot. The Gigabit Ethernet adapters offer increased networking capabilities for all platforms and with a PCI-X connection and 64 bit interface they significantly reduce system overhead and increase system performance.

Operating Systems Support:

• Windows NT/XP/98/2000
• Windows.net
• Linux
• Netware
• UNIX
SCO Open Server
UnixWare /OpenUnix 8
• Solaris

Key Application areas are:

• Storage Area Network (SAN)
• Network Attached Storage
• Enterprise network servers
• ISP/Web Hosting
• Firewalls, Gateways & Routers
• Appliance Servers
• Network Segmentation
• Mixed NIC environments

Key Features:

• 2 or 4 Independent Fiber Gigabit channels support Gigabit Ethernet (1000Base-SX or LX)
• High Performance, reliability, low power consumption.
• Ultra Deep, 64KB packet buffer per channel lowers CPU utilization to avoid PCI-X congestion
• Dual high speed RISC processor acceleration per channel for advanced packet classification
• Jumbo Frame (9KB)
• Server class reliability, availability like Link Aggregation, Load Balancing, Failover
• PCI Hot Plug
• Priority Queuing -802.1p layer 2 priority encoding
• PCI Power Management Interface (V1.1)
• LC Connectors
• 802.x Flow Control
• Boot Rom embedded or optional
• Hardware acceleration to offload tasks from the host processor

Technical Specifications:

Interface Standard:	PCI V2.2 32/64 bit 33/66 MHz PCI-X V1.0 32/64-bit, 66/100/133MHz
Bus Architecture:	PCI-X bus-mastering, compatible with existing PCI bus
Dimensions:	PCI Short card; 2.5" (63.5 mm) H x 6.6" (167.6 mm) L
Weight:	2.82 oz
PCI Voltage:	+5V (Min 4.75V, Max, 5.25V) and
PCI Connector:	Universal 64 bit Card
Holder:	Metal Bracket
Power Consumption:	1.0A at 5V: Typical.
Operating Humidity:	0%–90%, non-condensing
Operating Temperature:	0°C – 50°C (32°F - 122°F)
Storage:	-20°C–65°C (-4°F–149°F)
Advanced Software Features	Advanced software suite with increased Fault Tolerance, Bidirectional Load Balancing, Port Aggregation, Jumbo Frame Support and Server Management Software.
Certifications:	FCC Part 15, Subpart B class B, CE EN 55022 , CE EN 55024 , CE EN 60950

Ethernet Specifications:

IEEE Standard / Network Topology:	Fiber Gigabit Ethernet, 1000Base-SX (850nm)
Data Transfer Rate:	2000Mbit/s in full duplex mode per port
Cabling:	Multimode Fiber 220 m or 550 m

LED/Connector Specifications:

LEDs	2 LED's Link & Activity
LED location	LEDs are located on the PCB and are visible via holes in the metal bracket holder.
Connectors	2SFF LC

Support and Installation:

This device may be installed utilizing Nemonix Engineering phone support, self installed, or we will work with your service provider. NEMONIX Engineering offers 9-5 installation and warranty support during the **3 year warranty period** via phone. NEMONIX Engineering takes pride in offering superior products, backed by outstanding service and support.

Contact NEMONIX™ Engineering Inc. for Further Information:

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