

GNC-0107 Version: 1

1000BASE-SX MMF SC PCI Network Card

The LevelOne GNC-0107 Fiber Gigabit Ethernet Network Interface Card provides network connectivity within high-speed Fiber-Optic networks. The high bandwidth network interface card provides full-duplex network data speeds of up to 2000Mbps and support an array of advanced network interface functionality.

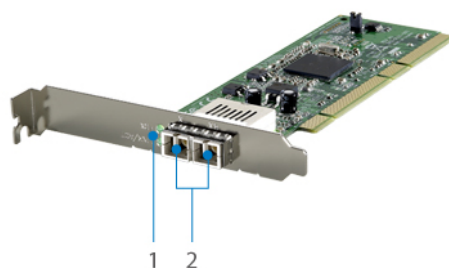
High-Speed Network Interface

The GNC-0107 Gigabit Fiber PCI Card supports a 32 or 64 bits PCI bus configuration for servers that require a high-bandwidth environment. It is IEEE 802.3x compliant, providing full-duplex flow control for 2Gbps network data transfer speeds over a 550 meter fiber connection. It also requires less server resources by providing on-board verification of IP headers and TCP/UDP checksums for received data.

Advanced Networking

The Gigabit Fiber PCI Card provides high-level VLAN filtering and on-board screening of IEEE 802.3Q VLAN tagged Ethernet frames for secured and flexible network usage while IEEE 802.1p (QoS) Quality of Service protocol support allows for a Layer 2 priority network data traffic interface and dynamic multicast filtering.

The GNC-0107 Gigabit Fiber PCI Card further supports a 9K Jumbo Frame Rate, IEEE 802.3ad link aggregation, Pre-Boot Execution Environment (PXE), Multi-Boot Agent (MBA), Remote Program Load (RPL) and Bootstrap Protocol (BOOTP).



1. LEDs
2. 1000SX SC-Type Fiber Port

Key Features

- High-Speed Fiber-Optic network interface card
- Supports 2Gbps Full-Duplex mode



- Full-Duplex Switching: 550m
- Supports 32/64 bits PCI bus configuration
- Compliant with IEEE 802.1Q VLAN
- Supports 802.3ad Link Aggregation
- Compliant with IEEE 802.1p QoS
- Supports on-board IP header verification and TCP/UDP checksum offload
- Supports Multiple Operating Systems

Specifications

System Specifications

Connectors and Cabling:

850nm SC Multi-Mode Fiber
PCI-X 64/32bit Signaling (PCI 2.2 66MHz)

Indicator:

Link/Activity; Full-duplex Activity

Standards & Protocols:

IEEE 802.3z Gigabit Ethernet 1000Base-SX/LX
IEEE 802.3x Full-duplex Flow Control
IEEE 802.1Q Virtual LANs (VLANs)
IEEE 802.1p Quality of Service (QoS)
IEEE 802.3ad Link Aggregation Control Protocol (LACP)

Performance

Data Transfer Rate:

Full duplex with NWay flow control 1000Mbps speed

Operating Distance:

62.5/125?m, 50/125?m Multi-Mode up to 550m

Environment

Temperature (°C):

Operating: 0°C to 50°C

Humidity (Non-condensing):

Operating: 5% to 90%

Physical Specifications

Dimensions (W x D x H mm):

165 x 57.5 mm

Weight (g):

70g

Others

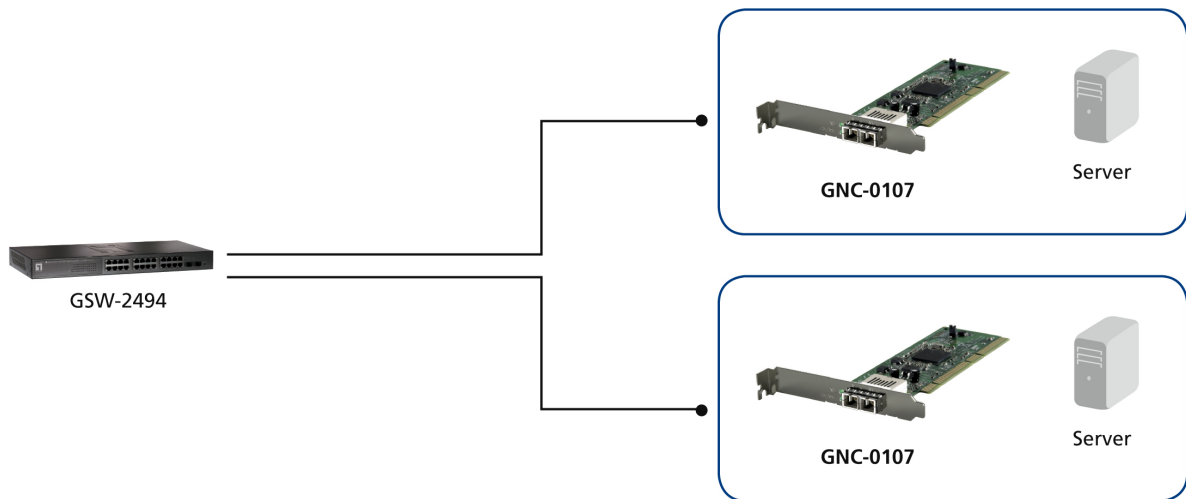
Approval and Compliance:

FCC Class B; CE Mark; RoHS

Operation Systems:

Windows 2000/NT4.0/2003/XP/Vista/7/8
Novel Netware 4.x, 5.x, 6.x
Linux, NDIS2,
UnixWare 7.0
PXE & RPL Boot ROM, Solaris
SCO Open Server

Diagram



Order Information

GNC-0107

Package Contents

Resource CD (User Manual)



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