

1000FX Multi-mode SC Fiber Optic PCI Card

Product Overview

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).



GNC-0107

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

Technical Specification

Network Interface

Standards Compliant

IEEE 802.3z Gigabit Ethernet 1000Base-SX/LX
IEEE 802.3x Full-Duplex Flow Control
IEEE 802.1Q VLAN
IEEE 802.1p QoS
IEEE 802.3ad Link Aggregation

Connector

850nm SC multi-mode

Fiber Optic Cable and Length

62.5/125µm, 50/125µm Multi-Mode up to 550m
9/125µm Single-Mode up to 50km

Data Transfer Mode/Speed

Full duplex with NWay flow control
100Mbps speed

Bus Slot

PCI-X 64/32bit Signaling (PCI 2.2 66MHz)

Diagnostics LEDs

Link/Activity
Full-duplex Activity

Physical Specifications

Power Requirement

10W
5V DC, 2A

Operating Parameters

Temperature: 0°C to 50°C
Humidity: 5% to 90%

Dimensions

165mm (L) x 57.5mm (H)

Weight

70g

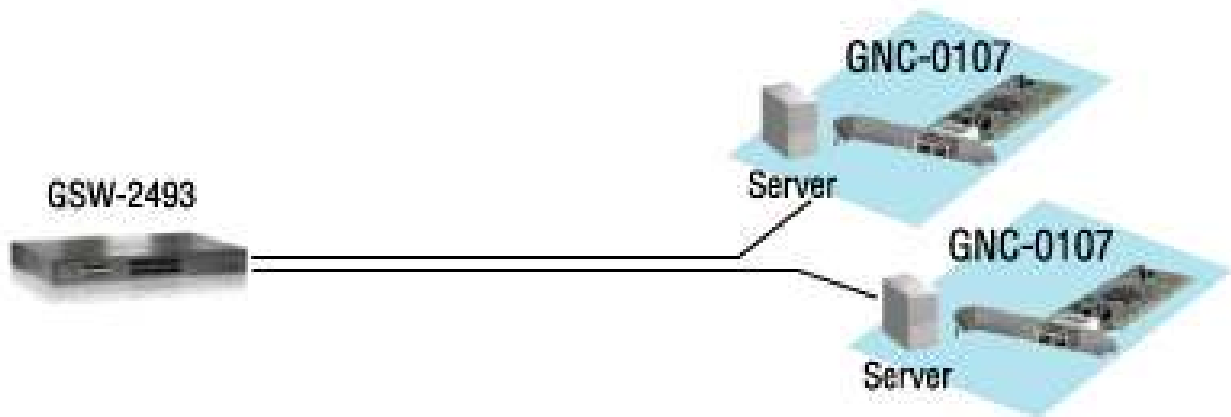
Certifications

FCC Class B
CE Mark
RoHS

Software Support

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

Product Diagram



Order Information

GNC-0107: 1000FX Multi-mode SC Fiber Optic PCI Card

Package Contents:

- GNC-0107
- CD Manual