



Fiber Optic PCI Express Card



GNC-0111

H/W Version: 1

Product Overview

The LevelOne GNC-0111 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.

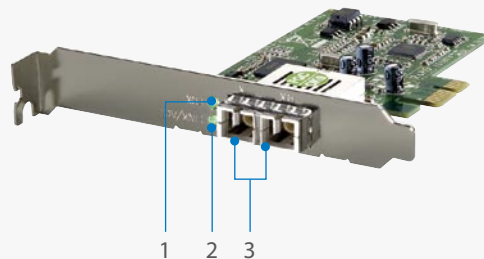
High-Speed Network Interface

The GNC-0111 Gigabit Fiber PCI Express Card supports PCI Express-bus architecture for servers that require a high-bandwidth environment. The PCI Express 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-Express Card provides high-level VLAN filtering and onboard screening of IEEE 802.3Q VLAN tagged Ethernet frames for secured and flexible network. The GNC-0111 Gigabit Fiber PCI Card further supports a 9K Jumbo Frame Rate, Pre-Boot Execution Environment (PXE), Multi-Boot Agent (MBA), Remote Program Load (RPL) and Bootstrap Protocol (BOOTP).



1. Full Duplex Indicator
2. LED (LINK/ Activity)
3. 1000SX SC-Type Fiber Port

Key Features

- High-Speed Fiber-Optic PCI-Express card
- Supports 2Gbps Full-Duplex mode
- Compliant with IEEE 802.1Q VLAN
- Full-Duplex Switching: 550m
- Supports on-board IP header verification and TCP/UDP checksum offload
- Supports Multiple Operating Systems

Related Products



GNC-0107
1000 BASE-SX Fiber Optic PCI Card (SC)



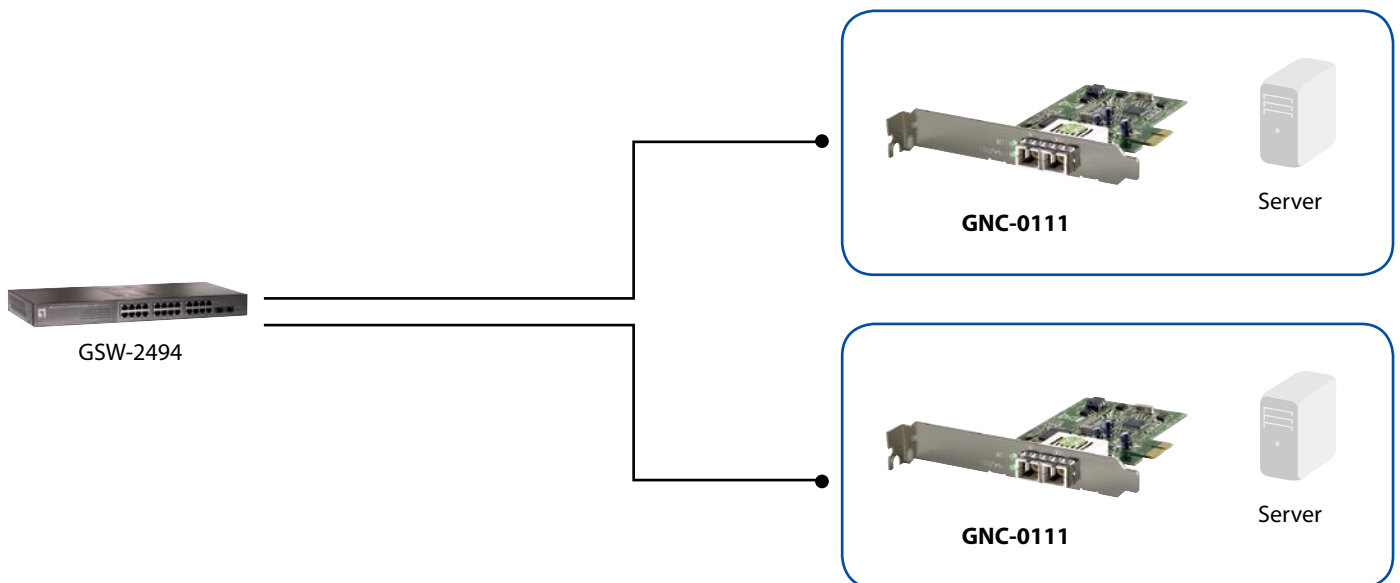
FNC-0115
100FX Multi-mode SC Fiber Optic PCI Express Card

Technical Specifications

Network Interface Standards Compliant IEEE 802.3z Gigabit Ethernet 1000Base-SX IEEE 802.3x Full-Duplex Flow Control IEEE 802.1Q VLAN
Connector 850nm SC multi-mode
Fiber Optic Cable and Length 62.5/125µm, 50/125µm Multi-Mode up to 550m
Data Transfer Mode/Speed Full duplex with NWay flow control 100Mbps speed
Bus Slot PCI-e x1 bus (PCI-e Rev. 1.1 Interface)
Diagnostics LEDs Link/Activity Full-duplex Activity

Physical Specifications Power Requirement 5W 3.3V DC, 1.5A
Operating Parameters Temperature: 0°C to 50°C Humidity: 5% to 90%
Dimensions 108mm (L) x 68.5mm (H)
Weight 60g
Certifications FCC Class B CE Mark RoHS
Software Support Windows 98/ME/2000/NT4.0/2003/XP/Vista/7 Novel Netware 4.x, 5.x, 6.x Linux PXE & RPL Boot ROM

Product Diagram



Order Information

Package Contents

GNC-0111: 1000SX Multi-mode SC Fiber Optic PCI Express Card

GNC-0111

CD Manual