

GNC-0200 Version: 1

## Gigabit Fiber PCIe Network Card, 1 x SC Multi-Mode Fiber, Low Profile Bracket included

The LevelOne Multimode Fiber Network Adapter GNC-0200 is a high performance PCI Express multifunction network adapter for either standard or low profile slots running over a fiber-optic network environment. Based on Intel 82575EB controller, it is a 1000Base-SX PCI Express x1 fiber nic for desktop use.

### Key Features

- Host Interface standard support PCI Express 2.0a
- High performance, reliability, and low power use in Intel 82575EB dual integrated MAC + PHY / SERDES chip controller
- Independently Fiber Gigabit Ethernet channel/s support Gigabit Ethernet 1000Base-SX
- Ultra deep packet buffer per channel lowers CPU utilization
- Hardware acceleration that can offload tasks from the host processor. The controllers can offload TCP/UDP/IP checksum
- Calculations and TCP segmentation

### Specifications

#### System Specifications

##### Standards & Protocols:

IEEE\* 802.3 auto-negotiation  
IEEE 802.3ad (LACP), Generic Trunking (GEC / FEC)  
IEEE 802.1p layer 2 priority encoding  
IEEE 802.1q VLAN tagging  
IEEE 802.3x Flow Control (full-duplex flow control)

##### Connectors and Cabling:

850nm SC Multi-Mode Fiber  
PCI Express\* 2.0 (2.5GT/s)

##### Wavelength(nm):

850

##### Indicator:

Link/Activity

#### Features



#### General:

single-port PCI-Express 1000BASE-SX/LX Ethernet adapter  
High-performing design supporting PCI Express\* Gen 2.1 2.5GT/s  
High performance, reliability, and low power use in Intel 82575EB dual integrated MAC + PHY/SERDES chip controller  
Independently Fiber Gigabit Ethernet channel/s support Gigabit Ethernet 1000Base-SX  
Ultra deep packet buffer per channel lowers CPU utilization  
Hardware acceleration can offload tasks from the host processor. The controllers can offload TCP/UDP/IP checksum calculations and TCP segmentation

#### Management:

PXE Remote boot, WOL

### Performance

#### Data Transfer Rate:

1000 Mbps

#### Jumbo Frame (K):

16k

### Environment

#### Temperature (°C):

Operating: 0 °C~55 °C (32 °F~131 °F)

Storage: -40 °C~70 °C (-40 °F~158 °F)

#### Humidity (Non-condensing):

Operating: 5% ~ 95%

Storage: 5% ~ 95%

### Physical Specifications

#### Dimensions (W x D x H mm):

115\*68\*17mm

#### Weight (g):

67

### Others

#### Operation Systems:

Windows 2000

Windows XP

Windows Vista 32bit (64bit)

Windows 7 32bit (64bit)

Windows 8 32bit (64bit)

Windows Server 2003 32bit (64bit)

Windows Server 2008 32bit (64bit)

Windows Server 2008 R2 32bit (64bit)

Windows Server 2012 R2 32bit (64bit)

Novell Netware 5.x,6.x

Linux kernel version 2.6.30

FreeBSD 7.x or higher

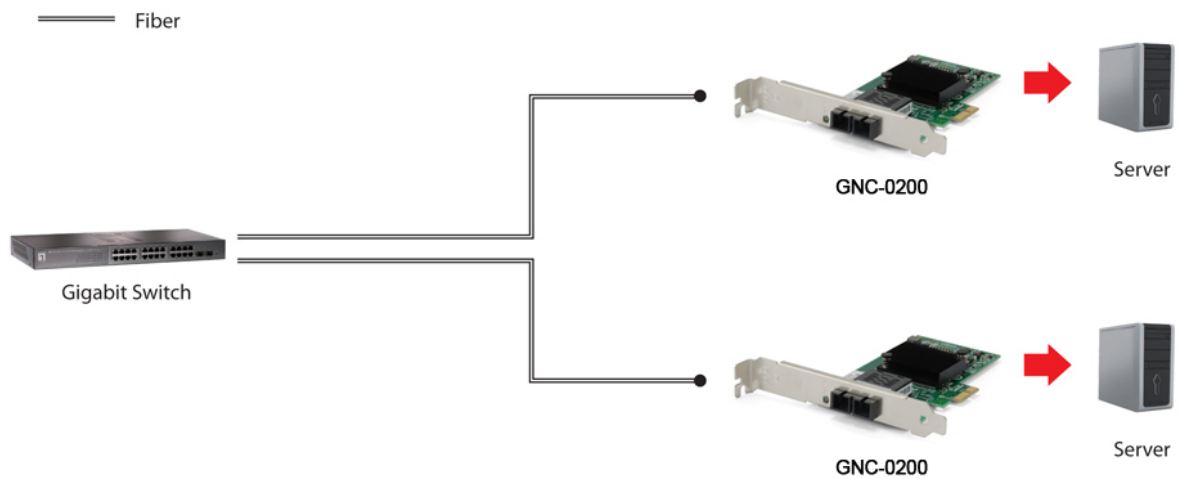
DOS

Sun Solaris x86

OS Independent

VMware ESX

## Diagram



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## Order Information

GNC-0200

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## Package Contents

GNC-0200  
Low Profile Bracket  
Quick Installation Guide  
Resource CD (User Manual, Driver)

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