![level one logo]
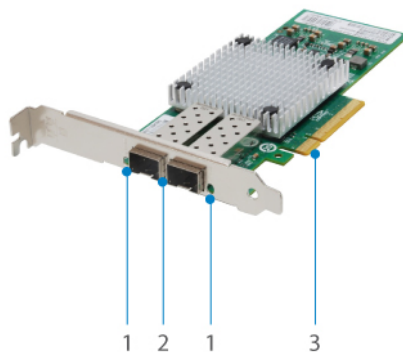
GNC-0202 □□□□ □□: 1

10 Gigabit Fiber PCIe Network Card, Dual SFP Plus, PCIe x8

The LevelOne GNC-0202 Gigabit network card facilitates high-speed connectivity within a fiber-optic network, supporting Dual SFP+ Connectivity and Fibre Channel over Ethernet (FCoE). Wake-on-LAN functionality allows remote start-up and shutdown, with iSCSI remote boot providing further flexibility. GNC-0202 also features an Intel PROSet Utility for Windows Device Manager as well as providing advanced load balancing across multiple CPUs, and is compatible with most network operating systems.

1. LED Indicator (Link / Activity)
2. Fiber Ports
3. PCI Slot

Key Features

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- Supports Dual SFP+ Connectivity
- Load balancing across multiple CPUs
- Supports iSCSI remote boot
- Supports Fibre Channel over Ethernet (FCoE)
- Supports most network operating systems (NOS)
- Intel® PROSet Utility for Windows* Device Manager
- IEEE 1588 and 802.1as (Time Sync)

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System Specifications

Standards & Protocols:
IEEE 802.3 2005* flow control support
IEEE 802.1Q Virtual LANs (VLANs)
IEEE 802.1p Quality of Service (QoS)
IEEE 802.3ad Link Aggregation Control Protocol (LACP)

Connectors and Cabling:

2 x 10G SFP+ Port

PCI Express* v2.0   (5.0 GT/s) x8/x4/x2/x1

Indicator:

Link/Activity

Power:

6.5w

Features

General:

128 Tx and 128 Rx queues, Receive Side Coalescing (RSC), low latency interrupts, Intel® Ethernet Flow Director, Intel®

Virtualization Technology for Connectivity (Intel® VT-c) (VMDq, SR-IOV), FCoE CRC offload, FCoE direct data placement

Management:

IPMI pass-through via SMBus or NC-SI, iSCSI boot,

WoL, PXE remote boot, VLAN filtering

Performance

Jumbo Frame (K):

9.5 K

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%

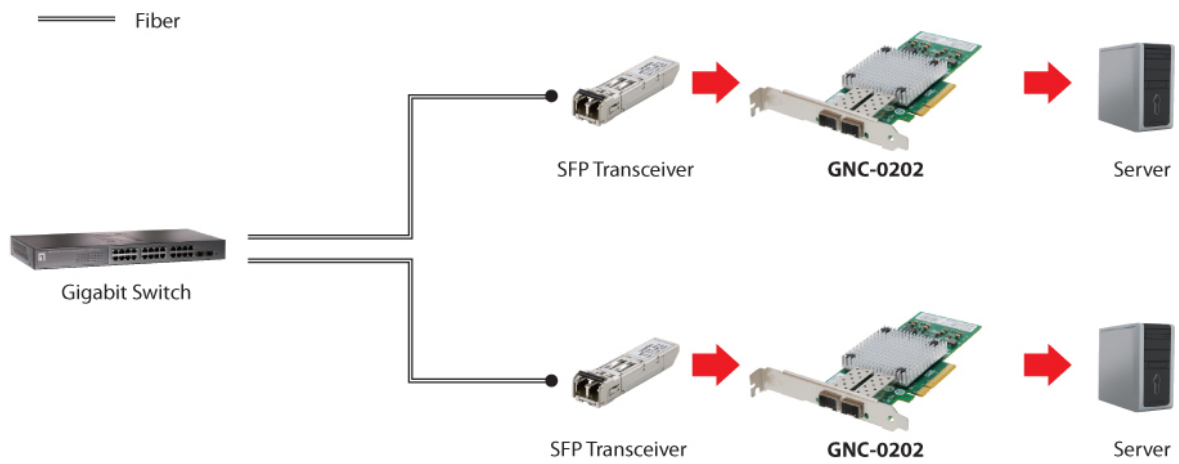## Physical Specifications

Dimensions (W x D x H mm):

165 x 69 x 17 mm

Weight (g):

110g

Others

Operation Systems:

Windows Vista/7/8/8.1

Windows Server 2003/2008/2008 R22012/2012 R2

Linux kernel 2.6.30 or greater (x86_64) (w/ SR-IOV support)

FreeBSD 7.2 or laster

Linux RHEL 5.6/6.x

Linux SLES 10 SP4/11 SP1

OS Independent

DOS ODI/NDIS 2

EFI 1.1

UEFI 2.1

Vmware ESX 4.02

VMware Workstation

Order Information

GNC-0202

Package Contents

GNC-0202
Low Profile Bracket
Quick Installation Guide
Resource CD (User Manual, Driver)