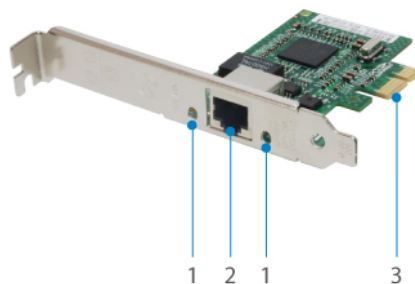


GNC-0112 Version: 3

Gigabit PCIe Network Card, Low Profile Bracket included

The LevelOne GNC-0112 Gigabit network card facilitates high-speed connectivity within network, with PCI Express (v1.1 compliant) supporting speeds of up to 2.5 Gbps. Wake-on-LAN functionality allows remote start-up and shutdown. GNC-0112 Supports IEEE 802.1P Layer 2 Priority Queuing for improving traffic flow. IEEE 802.1Q VLAN allows network segmentation, further enhancing performance and security.



1. LED Indicator (Link / Activity)
2. RJ-45 Gigabit Ethernet Port
3. PCI-Express

Key Features

- Built-in Wake-on-LAN feature to startup/shutdown computers remotely
- High-speed gigabit network card with PCI Express v1.1 compliant
- Supports single-lane PCI Express for link transmission speed at up to 2.5Gbps
- Supports IEEE 802.1P Layer 2 Priority Queuing for improving traffic flow
- 802.1Q tag-based VLAN allows network segmentation to enhance performance and security
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Supports Windows 2000/XP/2003/Vista/7/8
-
-

Specifications

System Specifications

Standards & Protocols:

IEEE 802.3 10-BASE-T, Ethernet
 IEEE 802.3u 100-BASE-TX, Fast Ethernet
 IEEE 802.3ab 1000BASE-T, Gigabit Ethernet
 IEEE 802.3z 1000Base-X Gigabit Ethernet
 IEEE 802.3x Flow Control (full-duplex flow control)
 IEEE 802.1p Quality of Service (QoS)

Port:

10/100/1000Mbps RJ45

Bus Interface:

32-bit 33/66MHz PCI-E

Indicator:

Link/Activity

Data Transfer Rate:

Ethernet: 10Mbps half-duplex, 20Mbps full-duplex

Fast Ethernet: 100Mbps half-duplex, 200Mbps full-duplex

Gigabit Ethernet: 1000Mbps half-duplex, 2000Mbps full-duplex

Features

General:

Standard Ethernet frame size (1518 bytes)

Up to 4 classes of service (CoS)

Up to 4 send rings and receive rings

Integrated 96-KB frame buffer memory

Statistics for SNMP MIB II, Ethernet-like MIB, and Ethernet MIB (, Clause 30)

4 unique MAC unicast addresses

Support for multicast addresses via 128 bits hashing hardware function

Supports PXE 2•1 specification

Advanced Configuration and Power Interface (ACPI) and

64-bit BAR support

EM64T processor support

Management:

PCI Power Management Interface (v1•1)

IPMI pass-through via SMBus or NC-SI, WoL, PXE

remote boot, iSCSI boot, VLAN filtering

Performance

Jumbo Frame (K):

9k

Environment

Temperature (°C):

Operating: 0 ~ 45°C

Storage: -10 ~70 °C

Humidity (Non-condensing):

Operating: 10% ~ 95%

Storage: 5% ~ 95%

Physical Specifications

Dimensions (W x D x H mm):

120 x 70 x 17 mm

Weight (g):

70g

Approval and Compliance

EMI/EMS:

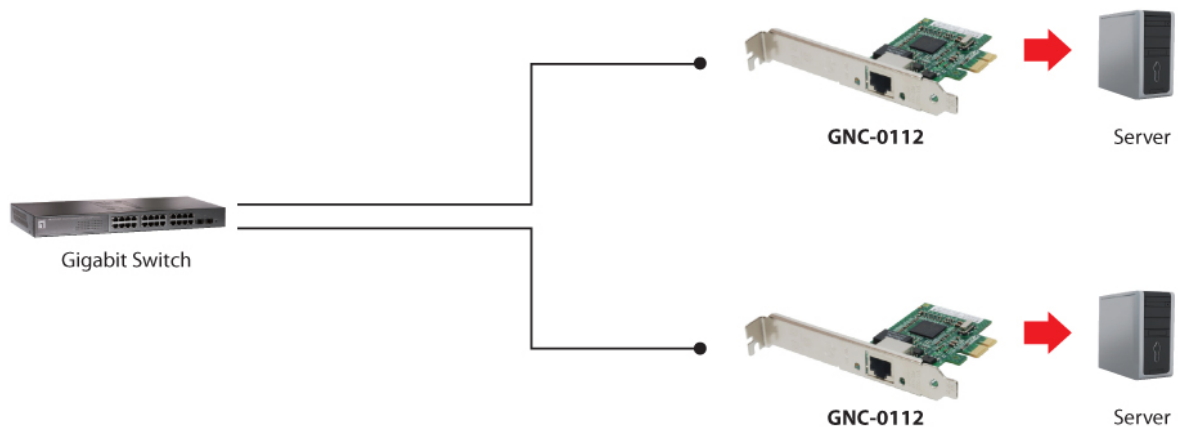
CE, RoHS

Others

Operation Systems:

Windows 7*
Windows XP/Vista
Windows CE*
Windows NT*
Windows Server 2000/2003
SCO UnixWare* 7.x
Open Unix* 8.0
Novell ODI*
Novell Netware*
SUSE Linux Enterprise Server* 9.0
Red Hat Enterprise Linux* 4.0
Linux*
FreeBSD*
Sun Solaris*
Microsoft DOS*
VMWare ESX*

Diagram



Order Information

GNC-0112: Low Profile Bracket

Package Contents

GNC-0112
Low Profile Bracket
Quick Installation Guide
Resource CD (User Manual, Driver)

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