



Gigabit Ethernet PCIe Card



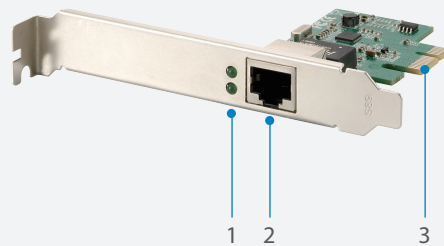
GNC-0112

H/W Version: 1

Product Overview

The LevelOne GNC-0112 is a high-performance Gigabit Ethernet adapter with a PCI Express (PCIe) interface that supports PCIe 1.1 standard for full bandwidth capacity up to 2.5Gbps. This adapter supports IEEE 802.3x Flow Control for 1000Mbps half-duplex and 2000Mbps full-duplex dataflow, and an integrated auto-sensing function to ensure it runs at the highest

available network speed - from 10Mbps up to 1000Mbps. It also features IEEE 802.1P layer 2 priority queuing and an IEEE 802.1Q VLAN tag for optimized data traffic and enhanced transmission security. The card is fully compatible with Windows 2000/XP/2003/Vista/7 operating systems. The LevelOne GNC-0112 offers the latest technology for maximizing system performance and increasing productivity.



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

Key Features

- 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
- IEEE 802.1Q VLAN allows network segmentation to enhance performance and security
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Auto-sensing on network speed connectivity
- LED indicator for monitoring link/activity
- Supports Windows 2000/XP/2003/Vista/7

Related Products



GNC-0105T
32-bit Gigabit Ethernet Card



GNC-0106T
32/6-bit Gigabit Ethernet
PCI Card

Technical Specifications

Hardware

Interface

1x 10/100/1000 Mbps Auto-MDIX RJ-45 Port
PCI-Express Revision 1.1 (2.5Gbps)

Standard

IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX
IEEE 802.3ab 1000BASE-T
IEEE 802.3x Flow Control
IEEE 802.1P Layer2 Priority Encoding
IEEE 802.1Q VLAN Tag

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

LED Indicator

Link/Activity

Software

Operating System

Windows 2000 / XP / 2003 / Vista / 7

Environment

Temperature (°C)

Operating: 0 ~ 45°C
Storage: -10 ~ 70 °C

Humidity (Non-condensing)

Operating: 10 ~ 95%
Storage: 5 ~ 95%

Physical Specification

Weight (g)

70g

Dimensions (L x W x H mm)

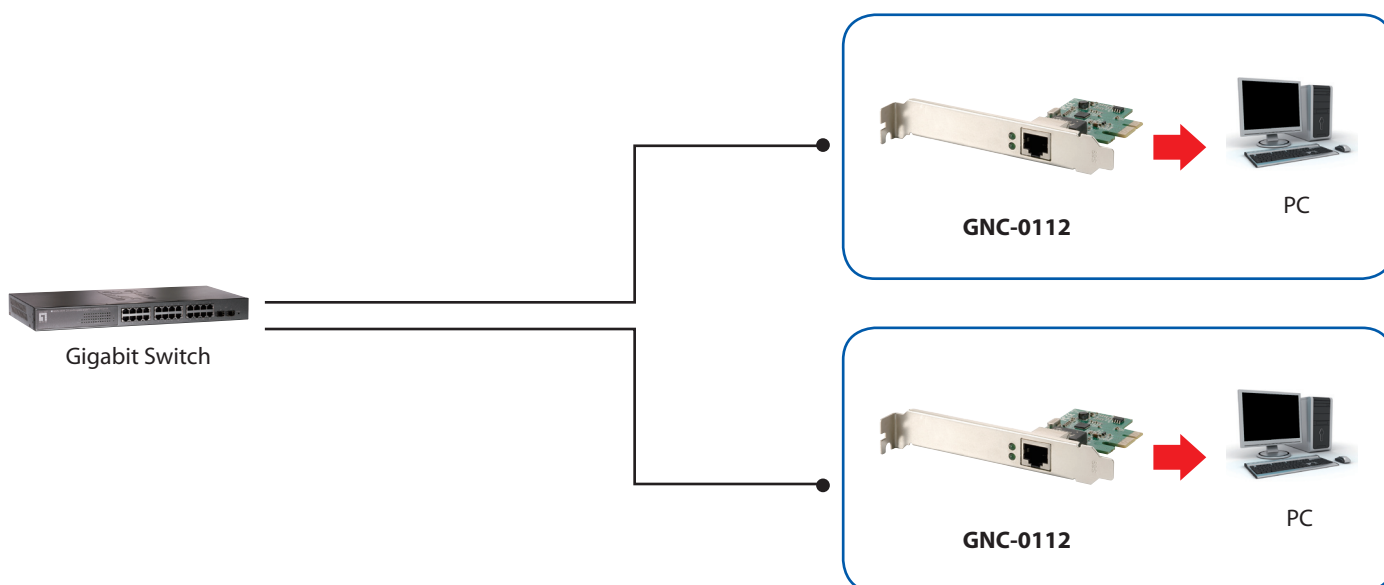
70 x 120 x 19mm

Others

Certification

CE mark Class

Product Diagram



Order Information

Package Contents

GNC-0112: Gigabit Ethernet PCIe Card

GNC-0112

Quick Installation Guide

CD Manual/QIG/Utility