

Datasheet_GNC-0106T

64-bit Gigabit Ethernet Card

The GNC-0106T 10/100/1000Mbps Gigabit Ethernet Adapter from LevelOne provides you with an Ethernet adapter at the leading edge of network technology. Supporting 10/100/1000Base-T Ethernet standards and 32/64-bit PCI, Rev.2.2 interface, LevelOne offers lightning fast data transmission rates of up to 2000Mbps.

You can use standard or crossover cables to connect the switch because the 64-bit PCI 10/100/1000Mbps Gigabit Ethernet Card will adjust to the correct signal automatically. GNC-0106T also offers auto-detection and shift among 10Mbps Ethernet, 100Mbps Fast Ethernet and 1000Mbps Gigabit Ethernet communication. In addition, network supervisor can monitor performance remotely with embedded Wake-on-Lan function.

Regarding OS compatibility, GNC-0106T can work with the most popular platforms. With its Plug-and-Play technology, the GNC-0106T achieves real hassle free installation by conforming to PCI bus. The low cost of ownership makes LevelOne PCI adapters the perfect choice for cost-effective gigabit network solutions.



GNC-0106T

Key Features

- Complies with IEEE 802.3 10BASE-T, 802.3u 100BASE-TX and 802.3ab 1000BASE-T standards
- Supports 64-bit PCI local Bus Master high-speed operation of Rev.2.2 specification
- One RJ-45 connector supports 1000Mbps, 100Mbps or 10Mbps network speed and Auto-MDI/ MDI-X
- Plug and Play installation
- Supports PCI 2.2 Wake-on-Lan for remote wake up
- Supports IEEE 802.3x full-duplex flow control.
- 128kb RAM on-chip buffer
- Full-duplex design to double the performance to 20/200/2000Mbps.
- Works with the most popular platforms

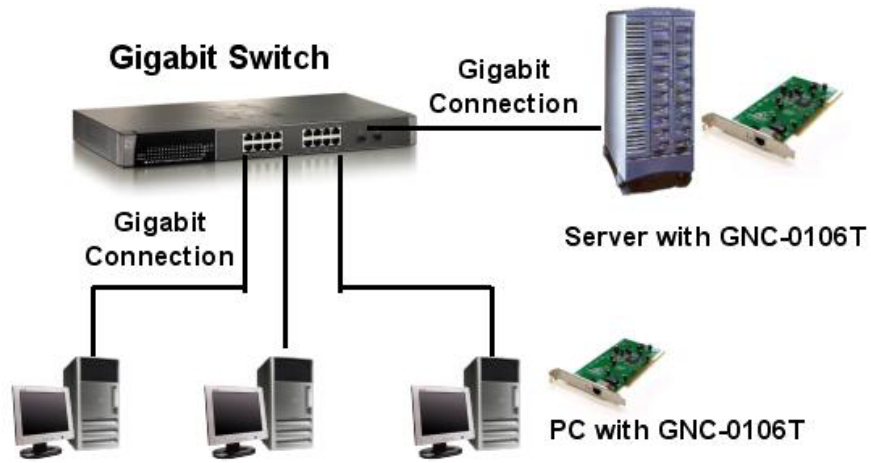
Driver Supported

- **Microsoft**
Windows 98SE
Windows ME
Windows 2000
Windows NT 4.0
Windows XP
- **Novell**
Novell Netware Server 5.x
Novell Netware Server 6.x
- **Linux**
Linux driver for kernel 2.2.13 or later
Linux driver for kernel 2.4.x

Technical Specification

- **Standards**
IEEE 802.3 10BASE-T Ethernet
IEEE 802.3 100 BASE-TX Fast Ethernet
IEEE 802.3 1000 BASE-T Gigabit Ethernet
ANSI/IEEE 802.3 Auto-negotiation
- **Network Media**
Ethernet: 2 pair UTP Cat. 3,4,5
Fast Ethernet: 2 pair UTP Cat. 5
Gigabit Ethernet: 4 pair UTP Cat. 5, 5E
- **Host Interface**
32/64-bit PCI Rev. 2.2
- **Protocol**
CSMA/CD
- **Topology**
Star
- **Data Transfer Rate**
Ethernet: 10Mbps/ 20Mbps (Half/Full Duplex)
Fast Ethernet: 100Mbps/ 200Mbps (Half/Full Duplex)
Gigabit Ethernet: 1000Mbps/ 2000Mbps (Half/Full Duplex)
- **Ethernet Port**
RJ-45, MDI-II/MDI-X port
- **LEDs**
10M Link, 100M Link, 1000M Link
ACT, FDX/COL
- **Power Consumption**
4.25W (max)
- **Temperature**
Operating: 0°C~40°C
Storage: -10°C~70°C
- **Humidity**
Operating: 10% ~ 90% RH
Storage: 5% ~ 90% RH
- **Dimension**
164mm(W) * 83mm(H)
- **EMI and Safety**
FCC Class B, CE

Product Diagram



GNC-0106T Diagram

Ordering Information

- GNC-0106T: 64-bit Gigabit Ethernet Card

Package Information	Package N.W	Package G.W	CUFT/CTN
40 Pcs/ CTN	Kg	Kg	2.05