

Datasheet_GPC-0107

Gigabit Cardbus PC Card

LevelOne's GPC-0107 is a real 32-bit Gigabit Ethernet adapter for use with laptop computers. This adapter is equipped with a PCMCIA Cardbus 32-bit user-friendly interface to enable high-bandwidth data transfers between the adapter and your laptop computer. You can enjoy the best data throughput and also the capability to handle multi-media, video streaming or real-time broadcast applications.

The GPC-0107 features the latest Gigabit technology which is fully compatible with existing 10/100Mbps networks. This device has full-duplex capabilities to provide you with lightning fast data transmission rates of up to 2000Mbps. Its auto-negotiation feature configures to meet any kind of network connective modes thus allowing you to use your notebook on various network speeds.

With the true Plug-and-Play function, installation is not a problem. You can immediately access any of the features of this product simply by plugging the adapter into your notebook and it's ready to go. The GPC-0107 is also hot-swappable thus eliminating the need to power off the notebook when removing or installing this adapter. For maximum efficient operation of your network connections, **LevelOne's** GPC-0107 is the ultimate solution for all kinds of Ethernet environments.



GPC-0107

Key Features

- PCMCIA CardBus standard compliant
- 32-Bit Bus-Mastering Data Transfer
- Supports Full Duplex flow control (IEEE 802.3x)
- 10/100/1000Mbps data rates auto-negotiation
- Supports Full-Duplex Mode doubles network data rates to 20/200/2000 Mbps
- PC Card hot swap supported
- True Plug-and-Play
- Ultra low power consumption
- Microsoft NDIS5 (IP, TCP, UDP) Checksum and Segmentation Task off-loading

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Technical Specification

- **Standard Conformance**
 - IEEE 802.3 for 10BaseT
 - IEEE 802.3u for 100BaseTX
 - IEEE 802.3ab for 1000BaseT
- **Interface**
 - PCMCIA Cardbus 32bit compliant
- **Port**
 - 1 x RJ-45 phone jack
- **Media**
 - Ethernet: UTP Cat.3,5 EIA/TIA-568 100-ohm STP
 - Fast Ethernet: UTP Cat.5 EIA/TIA-568 100-ohm STP
 - Gigabit: UTP Cat.5, 5e,6 EIA/TIA-568 100-ohm STP
- **Protocol**
 - CSMA/CD
- **Data Rates**
 - Ethernet: 10Mbps/ 20Mbps (Half/Full-Duplex)
 - Fast Ethernet: 100Mbps/ 200Mbps (Half/Full-Duplex)
 - Gigabit: 2000Mbps (Full-Duplex)
- **OS Support**
 - Windows 98SE/ ME/ 2000/ XP
- **LEDs**
 - Power/ Wake/ Full/10/100/ 1000: Green LED
- **Power Consumption**
 - Operation: Max. 695mA
 - Idle: 600mA mA
- **Temperature**
 - Operating: 0 ~70 C degree
 - Storing: -10 ~ 70 C degree
- **Humidity**
 - 10% ~ 85% (Non-condensing)
- **Dimension**
 - 119mm(L)*54mm(W)*17mm(H)
- **Weight**
 - 45 g
- **EMI and Safety**
 - FCC Part 15 Class B, CE

Product Diagram



Ordering Information

- GPC-0107: Gigabit Cardbus PC Adapter