## Datasheet\_GPC-0107

### **Gigabit Cardbus PC Card**

**LevelOne**'s GPC-0107 is a real 32-bit Gigabit Etherent adapter for use with laptop computers. This adapter is equipped with a PCMCIA Cardbus 32-bit user-friendly interface to enable highbandwidth 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 ightening fast data transmission rates of up to 2000Mbps. Its autonegotiation 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 notbook and it's ready to go. The GPC-0107 is also hot-swappable thus eliiminating 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**

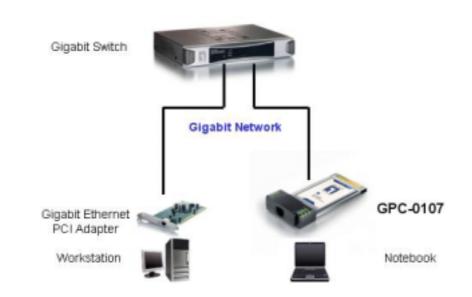
- Standard Conformance IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseTX IEEE 802.3ab for 10000BaseT
- Interface PCMCIA Cardbus 32bit compliant
  Port
  - 1 x RJ-45 phone jack
- Media

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



### **Ordering Information**

GPC-0107: Gigabit Cardbus PC Adapter



### Product Diagram