

B&E Technologies

GE-100 Gigabit Ethernet Adapter for PCI Bus

The GE-100 Gigabit Ethernet Adapter CPI is a 32-bit LAN adapter for use in personal computers with a Peripheral Component Interconnect (PCI revision 2.2 or later) computer bus.

This adapter is a Tri-speed adapter that features a single RJ45 connector for either a 10 Mbps (megabits per second) IEEE 802.3 or 100Mbps IEEE 802.3u or 1000Mbps IEEE 802.3ab Ethernet network connection over unshielded twisted-pair (UTP) cable. The adapter can automatically negotiate 10/100/1000 Mbps, full or half duplex.



Adapter Features

The features of the Fast Ethernet PCI adapter include:

- High performance bus master operation with low processor utilization
- Boot ROM socket (QNX 4 Boot ROM available)
- QNX 4 network driver and boot ROM configuration program supplied on the adapter driver diskette
- Automatically senses 10/100/1000 Mbps (10base-T/100base-T/1000base-T) connection and configures the speed accordingly
- Auto negotiation or software configurable to operate in full-duplex mode, increasing aggregate bandwidth up to 2000 Mbps
- Status LED's indicates link up, link speed and network activity
- Automatic crossover support for crossover or regular cabling
- UTP Category 5 cabling

Operating Environment

- Power: +3.3VDC @ 378mA max.
- Operating Temperature: 0°C to 50°C
- Storage Temperature: -25°C to 70°C
- Operating Humidity: 10% to 70% (non-condensing)
- Storage Humidity: 10% to 90% (non-condensing)

Product Specifications

Physical Specifications

- PCB mounted low profile RJ-45 connector
- LED indicators for: link status, speed, network activity
- Dimensions: 120mm x 58mm (4.72" x 2.0")

Warranty

- 2 years

Cabling

- Category 5 unshielded twisted pair
- Maximum cable length 100m (325 ft)

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