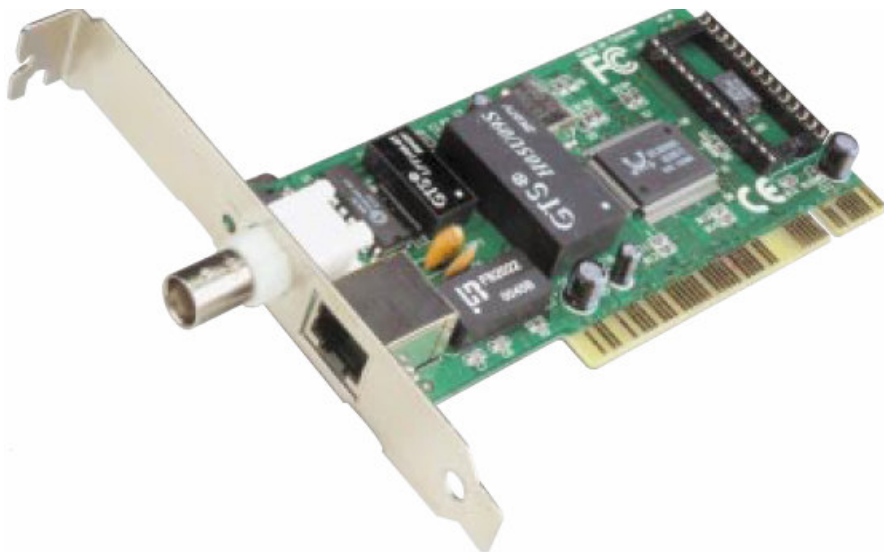# B&E Technologies

E-112 10base Ethernet Adapter for PCI Bus

This is a 32-bit Ethernet Adapter for the PCI bus. It supports jumperless PCI Plug and Play configuration. It has jacks for unshielded twisted pair or coax connections to the network. The adapter is supplied with a QNX network driver, along with drivers for most other popular operating systems. A QNX network boot ROM is also available.

LAN Interface
· PCI bus (PCI specifications revision 2.1)
· 10Mbps transmission rate
· NE2000 compatible
· Full or half duplex auto negotiation
· I/0 mapped (Set from PCI system BIOS)
· Interrupts (Set from PCI system BIOS)
· ROM: Optional Boot ROM
· Jumperless configuration via PCI system BIOS
· Autodetect BNC or UTP interface
· Drivers for most popular networking operating systems

Operating Environment
· Power: +3.3VDC @ 758mA max
· Operating Temperature: 0 to 55ºC
· Storage Temperature: -40ºC to 70ºC
· Operating Humidity: 10% to 90% (non-condensing)
· Storage Humidity: 5% to 90% (non-condensing)

Product Specifications

Physical Specifications

· PCB mounted low profile RJ-11 and BNC Connectors

· LED indicator for link status

· Dimensions: 120mm x 60mm (4.72" x 2.36")

Warranty

·2 years

Installation Considerations

ETHERNET

Twisted Pair Cable

· Category 3 or better unshielded twisted pair

· Distance from node to hub: 100m (325 ft) *Based on recommended maximum of 5 links and 4 repeaters between nodes.*

Coax Cable

· Thin coaxial cable: RG-58A/U 50 ohm coaxial cable (0.2 inch diameter)

· Maximum Segment length: 185m (600 ft)

· Minimum Segment length: 0.5m (1.6 ft)

· Maximum number of coax segments between nodes: 5

· Maximum number of nodes per coax segment: 30

· BNC 50 ohm terminator required at each end of trunk and one must be grounded

Conforms to the Following Standards

· Ethernet: IEEE 802.3 10base-T and 10base-2

· EMC: EN55022:1994 CISPR 22

       EN61000-3-2:1995

       EN61000-3-3:1995

       EN50024:1998

· Products are marked as certified to the CE standards.

ALSO AVAILABLE

CT-E005 QNX Boot ROM

B&E TECHNOLOGIES
8 Victoria Glen Street
Elmira, Ontario Canada
N3B 1S1
Phone: 519 669 0950
Fax: 519 669 2880
info@betech.biz
www.betech.biz