



The Brightest Choice of Networking & Communication

## **BNR60031U**

### **BayLan PCI 10/100/1000Mbps Gigabit Ethernet Card**



BayLan BNR60031U PCI 10/100/1000Mbps Gigabit Ethernet Card is ideal for speeding up data transfers for network servers and other computers, such as those used for video-conferencing, that send and/or receive large amounts of data. The 32-bit PCI 10/100/1000Mbps Gigabit Ethernet Card also includes the newest networking technologies, such as multicasting support, that use network bandwidth more efficiently and further help the card maximize data throughput.

#### **FEATURES:**

- IEEE 802.3, 802.3u and 802.3ab compliant.
- Support 32-bit 33/66Mhz PCI Local Bus Master high-speed operation of Rev.21/2.2 specification.
- Plug-and-Play installation.
- One RJ-45 connector: Auto detection of 10Mbps Ethernet, 100Mbps Fast Ethernet and 1000Mbps Gigabit Ethernet & Auto MDI-X.
- Support IEEE802.31Q VLAN tagging.
- Support 10/100/1000Mbps Auto-Negotiation operation.
- Full Duplex support for 10/100/1000Mbps data rates.
- Auto MDI-II/MDI-X crossover for all three speeds.
- Built-in FIFO (8K/64K) buffers reduces overhead of memory transfers.
- 802.3x Full duplex flow control, including automatic transmission of Pause frames based on Rx FIFO thresholds.
- Two LED indicators for easy diagnostic.

Specifications are subject to change without prior notice with advancement in technology.

**TECHNICAL SPECIFICATIONS**

<b>GENERAL</b>	
Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3x Flow Control
Protocol	CSMA/CD
Data Transfer Rate	Ethernet : 10Mbps (Half Duplex), 20Mbps (Full Duplex) Fast Ethernet : 100Mbps (Half Duplex), 200Mbps (Full Duplex) Gigabit Ethernet: 1000Mbps (Half Duplex), 2000Mbps (Full-Duplex)
Topology	Star
Network Cables	Ethernet : 2-pair UTP Cat.3,4,5, EIA/TIA-568 STP Fast Ethernet : 2-pair UTP Cat-5, EIA/TIA-568 STP Gigabit Ethernet : 4-pair UTP Cat-5, EIA/TIA-568 STP
LED Indicator	Link, Activity
<b>Physical and Environmental</b>	
Power Consumption	4.5 Watts (Max)
Temperature	Operating : - 10° ~ 40° C, Storage : -10° ~ 70° C
Humidity	Operating : 10% ~ 90%, Storage : 5% ~ 90%
Dimensions	59 x 120 x 15mm (W x D x H)
EMI	FCC Class B, CE Mark B, VCCI-B

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