

10/100/1000Base-T PCI Express Gigabit Ethernet Adapter



PLANET ENW-9702 PCI Express Gigabit Ethernet adapter is for PCI Express bus compliant computers, supporting auto-negotiation of 10/100/1000Mbps Ethernet connection with up to 2000Mbps full-duplex bandwidth capacity. The ENW-9702 provides a highly cost-effective solution for existing Fast Ethernet infrastructures upgrading to the Gigabit network.

Higher Bandwidth and Advanced Functions

The ENW-9702 PCI Express Gigabit Ethernet adapter is designed to address high-performance system application requirements. With the bandwidth of x1 PCI Express Bus Architecture, the ENW-9702 provides higher performance than the network cards based on the 32/64bit PCI architecture. It allows throughput at rates up to 2Gbps, thus eliminating the needs of the regular 32/64bit PCI network card.

Moreover, the ENW-9702 supports IEEE 802.1Q VLAN which allows it to operate in a flexible and secure network environment. With 9K jumbo frame ability and IEEE 802.3 flow control support, it further optimizes throughput and wire-speed packet transfer performance without risk of packet loss. The high data throughput of the device makes it ideal for most Gigabit Ethernet environments.

Seamless Integration

The ENW-9702 operates completely harmonious with most of the server OS's, enabling simple integration into network designs. There is no need of any modification to the server's operating system or any special software required for the ENW-9702 to be integrated into the system. The ENW-9702 can take the place of the Ethernet MAC of any conventional TCP connection and have the existing TCP/IP stack of server's CPU still kept intact. It requires only a simple, standard PCI-E driver to connect the ENW-9702 to the software.

Product Features

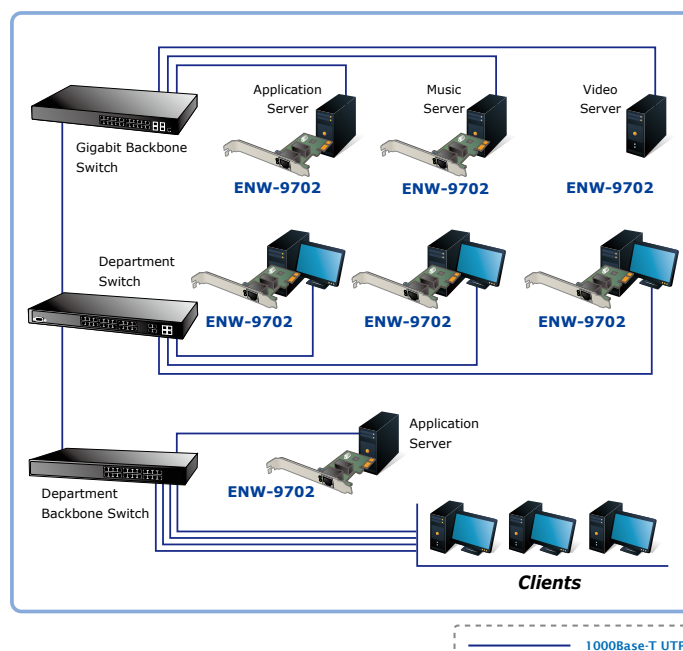
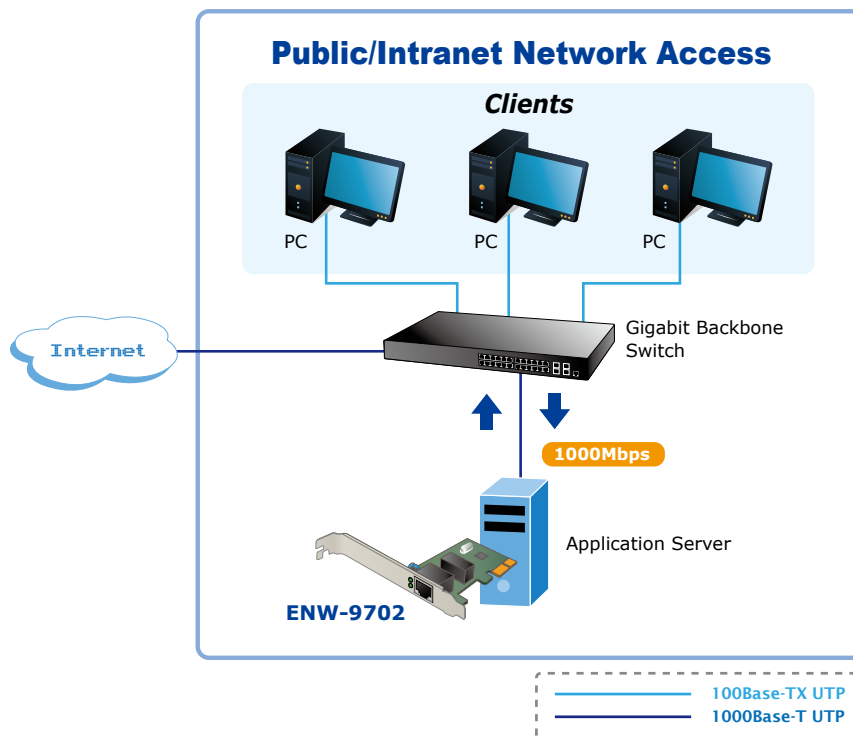
- PCI Express x 1 serial bus
- 10/100/1000Mbps auto-negotiation for optimal connection
- Supports auto MDI / MDI-X to swap the transmission and receipt
- IEEE 802.1Q VLAN tagging
- Supports 9K jumbo frame
- IEEE 802.3x full-duplex flow control
- Complies with Microsoft and Linux Platform

Applications

- Server / Workstation NICs

PLANET ENW-9702 is equipped with one 10/100/1000Base-T Gigabit TP RJ-45 interface, which allows users to have a maximum of 100m network transmit distance. It provides ten times performance than that of the existing Fast Ethernet transmission and PCI Express 1.1 technology. The ENW-9702 can easily act as a server NICs of your networks by wiring to the backbone switches and right for the main board with PCI Express now and future. The ENW-9702 is a highly cost-effective solution and the best choice for various network application upgrades, such as:

- High-end Server / Storage Server
- Terminal Station
- PC-based Video Recorder
- Industrial Computer
- POS Cash Register



Specifications

Model	ENW-9702 10/100/1000Base-T PCI Express Gigabit Ethernet Adapter	
Hardware Specifications		
Attachment Interface	PCI Express Serial Bus Interface	
Media Interface	10/100/1000Base-T RJ-45 Copper Interface	
Cabling Options	10Base-T: UTP category 3, 4, 5 cable (maximum 100m) EIA / TIA-568 100Ω STP (maximum 100m) 100Base-TX: UTP category 5, 5e cable (maximum 100m) EIA / TIA-568 100Ω STP (maximum 100m) 1000Base-T: UTP category 5, 5e cable (maximum 100m) EIA / TIA-568 100Ω STP (maximum 100m)	
Jumbo Frame	9K Bytes	
LED Indicators	LNK / ACT & 1000 per port	
Dimensions (W x D x H)	65 x 40 x 19 mm	
Weight	32g	
Advanced Function		
Layer 2 Features	IEEE 802.3x flow control support IEEE 802.1Q VLAN support	
Operating System Support	Windows 98 / ME Windows 2000 / 2000 / 2003 / 2003R2 Windows XP Windows Vista Windows 7 Windows 8 Linux / MAC OS	
Standards Conformance		
Regulation Compliance	FCC Part 15 Class B, CE	
Standards Compliance	IEEE 802.3 IEEE 802.3u IEEE 802.3ab IEEE 802.3x IEEE 802.1Q	10Base-T Ethernet 100Base-TX Fast Ethernet 1000Base-T Gigabit Ethernet Flow control and back pressure VLAN tagging
Environment		
Operating	Temperature: 0 ~ 50 degrees C Relative Humidity: 10 ~ 90% (non-condensing)	
Storage	Temperature: -40 ~ 70 degrees C Relative Humidity: 10 ~ 90% (non-condensing)	

Ordering Information

ENW-9702	10/100/1000Base-T PCI Express Gigabit Ethernet Adapter
----------	--