PLANET
Networking & Communication

Product Specification

10/100Mbps PCI Fast Ethernet Adapter

ENW-9506

Change History:

Revision	Date	Author	Change List
Version 1.0	2003/7/17	John Sung	Initial release

Author	John Sung	Editor:	John Sung
Reviewed by:	Alan Huang	Approved by:	Tom Shih

Confidential

1. PRODUCT DESCRIPTION

The ENW-9506 is a 10/100Mbps, 32-bit Peripheral Component Interconnect (PCI) Local Bus Fast Ethernet adapter designed to address high-performance system application requirements. The bus-mastering architecture provides high data throughput for power users. The adapter provides Auto-Negotiation to automatically detect and determine the optimal inter-operation mode with other devices. Supports both 10Mbps and 100Mbps data rates with UTP-CAT5 or STP cable. LEDs are also provided for quick monitoring of busy status, link collision and speed indication.

The ENW-9506 can be operated in Full-Duplex mode to double the total data transfer rate up to 200Mbps. ACPI (Advanced Configuration & Power Interface) makes the ENW-9506 more flexible in more sophisticated operating systems such as Windows 98 and above.

2. PRODUCT FEATURES

- l   Supports 32-bit PCI Bus Mastering for high performance and low processor utilization

- l   Complies to PCI 2.1 and PCI 2.2 specification

- l   Complies with the IEEE 802.3 CSMA/CD, 100BaseTX and 10BaseT standards

- l   Full-Duplex design to double the performance to 20Mbps/200Mbps

- l   One STP connector for 100Mbps or 10Mbps network speed

- l   Supports Auto-Negotiation

- l   Supports early interrupt on transmit to increase performance

- l   Drivers support NetWare, Windows 95/98/Me/NT/2000/XP, Packet Driver and Linux

- l   Provides one LED to indicate network Link/Activity

3. PRODUCT SPECIFICATION

3.1 MAIN COMPONENT
Chipset: VIA VT6105

3.2 FUNCTIONAL SPECIFICATIONS

Product	10/100Mbps PCI Fast Ethernet Adapter
Attachment Interface	PCI 2.2 Bus Mastering
Protocol	IEEE802.3u 100Base-TX, IEEE802.3 10Base-T
Cabling	2-pair, RJ-45
Power Consumption	1.8W (Max.)
NOS Support	NetWare, Windows 95/98/Me/NT/2000/XP, Packet Driver and Linux

3.3 PHYSICAL SPECIFICATION

Dimensions (L*W*H): 122*120*17 mm

3.4 LED DEFINITION

LED	Color	Status	Description
LNK/ACT	Green	Off	This card is not connect to the network.
		On	This card is connect to the network.
		Blink	Indicate data is transferring and receiving via the port.

3.5 WEIGHT

45g

3.6 ENVIRONMENTAL SPECIFICATION

Operating
Temperature: 0~55°C
Relative Humidity: 10~90 % (non-condensing)
Storage
Temperature: -20~70°C
Relative Humidity: 10~90 % (non-condensing)

3.7 REGULATORY COMPLIANCE

FCC Class B
CE

3.8 BASIC PACKAGING

• One ENW-9506
• One Diver Diskette