



General Description

The NS-1000 Gigabit Ethernet PCI Adapter provides a cost effective, high performance 10/100/1000Mbps networking solution for workstations and servers. The NS-1000 comes with many drivers including Windows 98SE/ME/NT/2000/XP, Linux, Unix, and Solaris.

The NS-1000 is fully compliant with PCI power management Rev. 1.1 and ACPI Rev. 1.0. It implements multi wake up events including Magic packet, pattern match packets, and Link status changes. The NS-1000 also supports AC power loss and PCI abnormal shut down wake up case on Magic packet power management mechanisms.

The Gigabit Ethernet Adapter includes advanced software support including an NIC management application (NICSET-GE), DMI CI and MA (DMI-GE), SNMP extension agent (VSNMP-GE), and integrated GigaCheck cable

analysis and link analysis function (VeriPHY Link Management Suite).

The NS-1000 GigaBit Ethernet Adapter is cost-effective, easy to install, and delivers superior performance for any network application.

Key Features & Benefits

- CSMA/CD network technology.
- Compliant with IEEE802.3, IEEE802.3u, and IEEE802.3z/ab standards.
- 802.3x Full duplex flow control, including automatic transmission of Pause frames based on RX FIFO.
- Complies with PCI V2.2 and 32 bits.
- Internal 16K (2048x64) Bytes Transmit and 48K Bytes (6144x64) Receive Data FIFOs.
- Support Plug and Play, and Half/Full-Duplex function.
- 802.1Q Virtual LAN (VLAN) and long frame (1518 4) support.
- Supports Auto MDI/MDIX at 10 / 100 / 1000Mbps.
- WFM (Wired For Management) 2.0 enable for server.
- Provides Link, Speed, and Activity status LED indicators.
- Statistics for RFC1213 (MIB II), RFC1398 (EtherLike MIB), and IEEE 802.3 LME.
- Large Packet Segmentation offload.
- 16K bytes Jumbo frame support.
- 802.1p 4 level priority transmit. (MAC support 4 TD, 1 RD queue).
- Chipset: VIA.

Specifications

- TOPOLOGY: STAR.
- STANDARDS: IEEE802.3 10BaseT, IEEE802.3u100BaseTX, and IEEE802.3z/ab.
- CONNECTOR: RJ-45.
- SPEED SELECT: Auto Negotiation at 10/100/1000Mbps.
- CABLE: CAT5E or above. (100/1000Mbps) / CAT3-5 Twisted-Pair cable. (10Mbps) max length 100 meters.

- **IRQ LINE:** INT Mapping to BIOS IRQ setup.
- **I/O ADDRESS:** Automatically decided by configuration space.
- **DIMENSIONS:** 17 cm x 12 cm (including Bracket).
- **BUS TYPE:** PCI 2.2 32 bits Bus.
- **SYSTEM CLOCK:** Up to 33MHZ.
- **TEMPERATURE:** 0°C to 55°C(Operating).
- **HUMIDITY:** 10% to 90%(non-condensing).
- **DRIVER SUPPORTS:** Windows 98, Me, XP, 2000, Windows NT, DOSODI, Novell Server, LINUX and Solaris.
- **CERTIFICATION:** FCC Part 15 Class A and CE.