



OV-8139DA - 10/100Mbps PCI Ethernet Card

OV-8139DA network interface card (NIC) is a 32-bit high performance Fast Ethernet PCI Local Bus adapter. It can be easily implemented in any IBM PC/AT and compatibles with PCI local-bus master slot. OV-8139DA network interface card (NIC) provides a Remote Wake-Up connector, which can be connected to the PC motherboard through a wake-up signal cable, thus enabling the function of Remote Wake-Up. operates

automatically at either 100Mbps or 10Mbps, depending on the speed of network device connected

FEATURES

Supports **486/Pentium 32-bit PCI Local Bus** master for high throughput and low processor utilization

Full compliance with **PCI Rev.2.1**

Complies with the **Ethernet/IEEE 802.3u 100BASE-TX** and **10 BASE-T** industry standard

Complies to **ACPI (Rev 1.0)**, **PCI Power Management (Rev 1.1)**, and **Device Class Power Management reference Specification (V 1.0a)**, such as to support **OS Directed Power Management (OSPM)** environment

Allows Remote Wake-Up (Magic packet and Microsoft wake-up frame) to simplify network resource access and maintenance, which provides the greatest convenience to enhance LAN connectivity flexibly

Plug and Play: Simply insert the card into a PC and it will automatically be configuration by the PC BIOS

Supports **full-duplex** operations, thus doubles the network speed up to 20Mbps at 10BASE-T Ethernet or 200Mbps at 100BASE-TX Fast Ethernet. Furthermore, the flow-control technology minimizes packet fragments when buffer is full

Four LED indicators to report network status

One RJ-45 connector with Auto-sense of cable type of 10 or 100Mbps network operation

Supports wide PCI clock speed from **16.75 to 40 MHz**, capable of zero wait state

Supports optional Remote Boot ROM socket

Extensive use of VLSI component that integrated Fast Ethernet MAC, Physical chip and transceiver in one chip to provide high hardware reliability, small power consumption and reduced network interface card size

Offers various turbo drivers to provide high performance and perfect driver compatibility, including Server driver for Novell Netware 3.x / 4.x, Microsoft LAN manager, WFW 3.10/3.11, Windows NT 3.x/4.0, Windows 95 &

OS/2, Windows 98/2000/ME/XP, LANMAN, LAN server for OS/2, DOS LAN, Banyan, workstation for DOS ODI Client, Workstation for OS/2 ODI client, Client 32 for Windows 95, SCO UNIX 4.x / 5.x, Packet driver, NDIS driver, LANtastic 4.0/5.0/6.0, Linux, and MAC....

Provides a comprehensive setup program for displaying the adapter configuration, and including diagnostics on board or on network test

SPECIFICATIONS

Supported Computers: 486, Pentium

Standard Compliant:

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-TX

Bus Type: 32-bit PCI Bus Master

Wake-On-LAN mode: Supports Magic Packet Wakeup

ACPI mode: Supports -

- PCI bus Power Management Interface Spec. (Rev 1.1)
- D0, D1, D2, D3hot, and D3cold, 5 different power states
- PMEB (including LWAKE) can be generated from D1, D2, D3hot, and D3cold
- Magic Packet Wakeup
- LinkUP wakeup
- Microsoft Wakeup frame

Transmission Speed:

- IEEE 802.3u Auto-Negotiation for automatic speed selection
- 10Mbps (ordinary Ethernet)
- 20Mbps (full-duplex Ethernet)
- 100Mbps (ordinary Fast Ethernet)
- 200Mbps (full-duplex Fast Ethernet)

LED Indicator:

- FUDUP (Full-Duplex)
- Tx/Rx (Transmit/Receive)
- 10/100M media selection
- PWR (Power)

Boot ROM Size: 8, 16, 32, 64 and 128Kbyte

Operating Temperature: 32 ~ 131 degrees *F (0 ~ 55 degrees *C)

Storage Temperature: -4 ~ 176 degrees *F (-20 ~ 80 degrees *C)

Humidity: 10 ~ 90% RH non-condensing

Dimension (L x W): 12.0 x 6.5 cm

Operating Voltage: +5V* 5% @500mA maximum