

Fiber Optic Lan Card

100M Fiber Lan Card



**Descriptions**

This Fast Ethernet Fiber Network Interface Card is designed to operate at 100Mbps network and to provide a network throughput of 200Mbps in full-duplex mode. It offers a range of options, such as fiber / connector type and operating wavelength / distance, to meet the requirement of various applications.

**Features**

Plug and Play installation.

Complies with the IEEE 802.3u 100Base-FX / IEEE 802.3ah 100Base-LX10 / -BX10 Ethernet standard.

Standard optical fiber connector and cable type options.

Full duplex or half-duplex operation.

PCI Bus Master direct memory access for high throughput and low CPU utilization.

IEEE 802.3x Flow Control enabled with full duplex operation, allowing enhanced operation when directly connected to a switch.

IEEE 802.1Q/VLAN Tagging supported

VLAN registration using IEEE802.1Q GVRP standard

IEEE 802.1p Tagging supported

IP Multicast packet filtering reduces CPU utilization and conserves network bandwidth.

Large 2Kb Tx, 2Kb Rx FIFO buffers synchronize transmissions and buffer data to help prevent packet loss.

Two LED indicators: Link/RxAct, Power/TxAct.

Drivers for all leading Network Operating Systems.

**Specifications**

<p><b>Optical Interface</b></p>	<p>Optical Ethernet 100Base-FX</p> <ol style="list-style-type: none"> <li>1、 Single single-mode fiber, single wavelength 1310nm, single SC/PC connector, operating distance 15km.</li> <li>2、 Single single-mode fiber, dual wavelength 1310/1550nm, single SC/PC connector, operating distance 40km.</li> <li>3、 Dual single-mode fiber, single wavelength 1310nm or 1550nm, dual SC/PC connectors, operating distance 60km.</li> <li>4、 Dual multimode fiber, single wavelength: 1310nm, dual SC/PC connectors, operating distance 2km.</li> </ol>
<p><b>Host interface</b></p>	<p>PCI 2.1 Bus (Bus Master)</p>
<p><b>Physical Dimensions</b></p>	<p>12.0 cm x 5.3 cm</p>
<p><b>Environment</b></p>	<p>Storage: -25°C ~ 55°C (-13°F ~ 131°F)                  Operating: 0°C ~ 50°C (32°F ~ 122°F)                  Humidity: 10% to 90% non-condensing                  Power Consumption: 2 Watts max</p>

For detailed inquiry please contact our sales team at: [sales@HuihongFiber.com](mailto:sales@HuihongFiber.com) .

Fiber Optic Lan Card

1000M Fiber Lan Card



Descriptions

Optical Gigabit Ethernet adapter is designed to operate at the data rate of 1000Mbps at full duplex. It supports IEEE 802.1p Traffic Prioritization for time-sensitive and mission-critical traffic. With IEEE 802.1Q multiple VLAN support, it provides VLAN tables that can filter packets by recognized VLAN tags. It provides IEEE802.3x Flow Control Enhancements, which are needed for a network adapter to function with a switch. In full-duplex mode, MAC implements the PAUSE control function. This means when a switch is connected in full-duplex mode and it senses that its buffer will overflow in the near future, the switch will transmit one standard Ethernet packet that causes the lan card to pause for a period, thus avoiding internal buffer overflow and packet loss.

Features

- Hardware VLAN filtering.
- Chip-Level Internet Protocol (CLIP) for IP packet processing.
- IEEE 802.3z compliant.
- Complies with the PCI v2.2 interface standard – supporting operation at 33/66 MHz and 32/64 bit wide data path.
- Full duplex or half-duplex operation.
- On-board verification of IP header and TCP/UDP checksum.
- On-board screening of VLAN-tagged packets – tagged in compliance IEEE 802.3ac.
- IEEE 802.3z 1000Base-SX,1000Base-LX Gigabit Ethernet compliant.
- Standard optical fiber connector and cable type options.
- Transceiver lasers compliant with Laser AEL Class 1 standards and is safe for eye-viewing.
- Plug and Play installation.
- Two LED indicators: Link/RxAct, Power/TxAct.

Specifications

<b>Optical Interface</b>	<p>Optical Ethernet 1000Base-SX/1000Base-LX</p> <ol style="list-style-type: none"> <li>1. Single Single-mode fiber / dual wavelength 1310 / 1550nm, maximum reaching 20km</li> <li>2. Dual Single-mode fiber / single wavelength 1310nm or 1550nm, maximum reaching 80km</li> <li>3. Dual multimode fiber / single wavelength 850nm, accepts 62.5 / 125 micron multi-mode fiber optic cable for a maximum length of 260 meters, accepts 50 / 125 micron multi-mode fiber optic cable for a maximum length of 550 meters.</li> </ol>
<b>Host interface</b>	PCI 2.1 Bus (Bus Master)
<b>Physical Dimensions</b>	165 mm x 66 mm
<b>Environment</b>	<p>Storage: -25°C ~ 55°C (-13°F ~ 131°F)</p> <p>Operating: -5°C ~ 50°C (32°F ~ 122°F)</p> <p>Humidity: 5% to 90% non-condensing</p>

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