

Synergy Telecom P Ltd.

Gigabit Fiber LAN Card



Detailed description :

Description:

FHC-7000 series Optical Gigabit Ethernet adapter is designed to operate at 1000Mbps at full duplex. FHC-7000 series 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. The FHC-7000 series provides IEEE Flow Control Enhancements, which are needed for a network adapter to function with a switch. In full-duplex mode, it implements the PAUSE control function. This means when a switch is connected in full-duplex mode and it senses that the buffer will overflow in the near future, the switch will transmit one standard Ethernet packet that causes the FHC7000 series 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.

Comply 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.

Drivers for all leading Network Operating Systems,Support for:

Windows XP

Windows 2000

Windows 95 OSR2, 98, 98 SE

Windows NT 4.0

Windows ME

Novell Netware Server 4.x, 5.x , 6

Novell Netware Client32 for DOS

Linux (kernel 2.4.x)

Specifications:

Network Type: Optical Ethernet 1000Base-SX/1000Base-LX

Single fiber / dual wavelength 1310 / 1550nm, maximum reaching 20km

Dual fiber / single wavelength 1310nm or 1550nm, maximum reaching 80km

Dual 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.

Host interface: PCI 2.1 Bus (Bus Master)

Physical Dimensions: 165 mm x 66 cm

Power Consumption: 5 Watts max

Environment:

Storage: -25°C~ 55°C

Operating: -5°C~ 50°C

Humidity: 5% to 95% non-condensing

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