

PCI Express (PCIe) Gigabit Ethernet Multimode SC Fiber Network Card Adapter NIC - 550m

StarTech ID: PEX1000MMSC2



The PEX1000MMSC2 PCIe Gigabit Fiber Network Card lets you connect a desktop PC directly to a fiber optic network, by adding a multimode SC fiber port to your computer or server through an available PCI Express slot.

Perfect for integrating into new or existing fiber infrastructure over great distances, this card delivers full Gigabit bandwidth to your computer up to 550 meters away from your network source, using multimode 50/125 micron duplex SC fiber cable. Plus, for a wider spectrum of compatibility, this versatile card offers fiber integration with a computer up to 220 meters away when deployed to network frameworks consisting of multimode 62.5/125 micron cabling.

With fiber connectivity, your network is not susceptible to electronic interference, which can be problematic with standard RJ45 copper networks, making this fiber card ideal for secure network setups.

Plus, the card is equipped with a standard profile bracket and includes a low-profile/half-height bracket, making it easy to install in small form-factor computers or 1U server and rackmount applications.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

Applications

- Ideal for reliable and secure setups - a direct fiber connection means no electromagnetic interference, which can be a problem with copper-based network cards
- Perfect for remote embedded industrial monitoring systems, and high-speed video surveillance
- Provide full Gigabit bandwidth to a remote terminal over long distances, extends a network connection further than typical copper cabling

Features

- Maximum fiber distance of 550m
- Supports Full/Half-duplex Auto-Negotiation
- Includes low-profile/half-height installation bracket
- Compliant with IEEE802.3z 1000Base-SX, IEEE 802.1Q VLAN Tagging, IEEE 802.1P Layer 2 Priority Encoding, IEEE 802.3x full duplex flow control
- Supports RFC 1157 SNMP v1 for remote management
- Jumbo Frame Support
- Supports PCI Message Signaled Interrupt (MSI)
- Preboot Execution Environment (PXE) 2.1
- Supports Wake-on-LAN remote wake-up

Technical Specifications

Warranty	2 Years
Ports	1
Interface	Fiber Ethernet
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Industry Standards	IEEE802.3z 1000BASE-SX, IEEE 802.1Q VLAN tagging, IEEE 802.1P Layer 2 Priority Encoding, IEEE 802.3x full duplex flow control, RFC 1157 SNMP v1
Chipset ID	Realtek - RTL8168E Marvell - 88E1111B1
Connector Type(s)	1 - PCI Express x1 Male
External Ports	1 - Fiber Optic SC Duplex Female
Maximum Data Transfer Rate	2000 Mbps (2 Gbps) - Full-Duplex
Buffer Size	48 KB
Compatible Networks	1000 Mbps (1 Gbps)
Full Duplex Support	Yes
OS Compatibility	Windows® 8 / 8.1 (32/64bit), 7 (32/64), Vista (32/64), XP (32/64) Windows Server® 2012, 2008 R2, 2003 Mac OS® 10.5 and up (Tested up to 10.9) Linux 2.4.x / 2.6.x / 3.5.0 Microsoft Hyper-V®
Note	Not compatible with 10/100 Mbps
Product Length	4.7 in [120 mm]
Product Width	0.7 in [18 mm]
Product Height	4.6 in [118 mm]
Product Weight	2.3 oz [66 g]
LED Indicators	1 - Link (Green)
LED Indicators	1 - Activity (Yellow)
Power Consumption	3.2W Max
Operating Temperature	0°C to 45°C (32°F to 113°F)

Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	5~95% RH (Non-Condensing)
Shipping (Package) Weight	7.3 oz [208 g]
Included in Package	1 - 1 Port PCI Express Gigabit Fiber Network Card
Included in Package	1 - Low Profile Bracket
Included in Package	1 - Driver CD
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

