

PCI Express Gigabit Ethernet Fiber Network Card w/ Open SFP - PCIe SFP Network Card Adapter NIC

StarTech ID: PEX1000SFP2



The PEX1000SFP2 PCI Express Gigabit Fiber Network Card lets you connect a PCI Express-based computer directly to a fiber optic network using the Gigabit SFP of your choice.

This Gigabit fiber card adapts to your network fiber connection and distance requirements to offer flexible configuration via an open SFP slot, and is compatible with most [Gigabit SFP transceivers](#). With broad SFP compatibility the fiber network card lets you use your preferred SFP, giving you more options to connect your computer directly to a fiber network.

With fiber connectivity, your network is not susceptible to electronic interference, often problematic with standard RJ45 copper networks, making this versatile 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, perfect for installation 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 secure setups - a direct fiber connection means no electronic interference, which can be a problem with RJ45 network cards
- Perfect for remote embedded industrial monitoring systems, and high-speed video surveillance
- Retain full Gigabit network speeds to a remote terminal over longer distances than copper cabling

Features

- Compatible with most Gigabit SFP modules
- Supports Full/Half-duplex Auto-Negotiation, Auto-MDI/MDIX
- Includes low-profile/half-height installation bracket
- Compliant with IEEE802.3z 1000Base-SX/LX, IEEE 802.1Q VLAN Tagging, IEEE 802.1P Layer 2 Priority Encoding, IEEE 802.3x full duplex flow control, RFC 1157 SNMP v1
- Jumbo Frame Support
- Supports PCI Message Signaled Interrupt (MSI)
- Preboot Execution Environment (PXE) 2.1

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/LX, 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 - SFP Slot Female
Maximum Data Transfer Rate	2000 Mbps (2 Gbps) - Full-Duplex
Buffer Size	48 KB
Compatible Networks	1000 Mbps (1 Gbps)
Auto MDIX	Yes
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®
System and Cable Requirements	Not compatible with 100Mbps SFP transceivers, Gigabit SFP transceiver required
Note	Fiber data transfer speeds and distances are dependent on the SFP used (sold separately)
Product Length	5 in [128 mm]
Product Width	0.7 in [18 mm]
Product Height	4.6 in [118 mm]
Product Weight	2 oz [57 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	7.1 oz [200 g]
Included in Package	1 - 1 Port PCI Express Gigabit SFP 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

