

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

Product 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.

### Certifications, Reports and Compatibility



### 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

<b>Hardware</b>	Warranty	2 Years
	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Chipset ID	Realtek - RTL8168E Marvell - 88E1111B1
	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
	Interface	Fiber Ethernet
	Ports	1
<b>Performance</b>	Auto MDIX	Yes
	Buffer Size	48 KB
	Compatible Networks	1000 Mbps (1 Gbps)
	Full Duplex Support	Yes
	Maximum Data Transfer Rate	2000 Mbps (2 Gbps) - Full-Duplex
	MTBF	770,619 hours
<b>Connector(s)</b>	Connector Type(s)	1 - PCI Express x1 Male
	External Ports	1 - SFP Slot Female
<b>Software</b>	OS Compatibility	Windows® XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012, 2012 R2, 2016 Mac OS X® 10.5 to 10.9 Linux 2.4.x to 4.11.x <i>LTS Versions only</i> Microsoft Hyper-V®
<b>Special Notes / Requirements</b>	<b>Note</b>	Fiber data transfer speeds and distances are dependent on the SFP used (sold separately)
	System and Cable Requirements	Not compatible with 100Mbps SFP transceivers, Gigabit SFP transceiver required
<b>Indicators</b>	LED Indicators	1 - Link (Green) 1 - Activity (Yellow)
<b>Power</b>	Power Consumption (In Watts)	3.2W Max
<b>Environmental</b>	Humidity	5~95% RH (Non-Condensing)
	Operating Temperature	0°C to 45°C (32°F to 113°F)
	Storage Temperature	-20°C to 70°C (-4°F to 158°F)
<b>Physical Characteristics</b>	Product Height	4.6 in [11.8 cm]

	Product Length	5 in [12.8 cm]
	Product Width	0.7 in [18 mm]
	Weight of Product	2 oz [57 g]
<b>Packaging Information</b>	Package Height	2 in [52 mm]
	Package Length	8.5 in [21.7 cm]
	Package Width	6.7 in [17.1 cm]
	Shipping (Package) Weight	7.1 oz [200 g]
<b>What's in the Box</b>	Included in Package	1 - 1 Port PCI Express Gigabit SFP Network Card
		1 - Low-Profile Bracket
		1 - Driver CD
		1 - Instruction Manual

Product appearance and specifications are subject to change without notice.