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

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 . 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

Linux

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

Hardware

	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 - RTL8168H
		Marvell - 88E1111B1

Performance

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
MTBF	770,619 hours

Connector(s)

Connector Type(s)	1 - PCI Express x1
External Ports	1 - SFP Slot

Software

OS Compatibility	Windows XP, Vista, 7, 8, 8.1, 10, 11
	Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019, 2022
	Mac OS X 10.5 to 10.9
	Linux 2.4.x and up - LTS Versions only
	Microsoft Hyper-V

Special Notes / Requirements

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)
	This product is not compatible with Copper SFP modules

Indicators

LED Indicators	1 - Link (Green)
	1 - Activity (Yellow)

Power

Power Consumption (In Watts)	3.2W Max

Environmental

Operating Temperature	0C to 45C (32F to 113F)
Storage Temperature	-20C to 70C (-4F to 158F)
Humidity	5~95% RH (Non-Condensing)

Physical Characteristics

Color	Green
Material	Steel
Product Length	5.0 in [12.8 cm]
Product Width	0.7 in [1.8 cm]
Product Height	4.6 in [11.8 cm]
Weight of Product	2.0 oz [57.0 g]

Packaging Information

Package Quantity	1
Package Length	8.4 in [21.3 cm]
Package Width	6.9 in [17.4 cm]
Package Height	2.0 in [5.2 cm]
Shipping (Package) Weight	6.4 oz [180.0 g]

What's in the Box

Included in Package	1 - 1 Port PCI Express Gigabit SFP Network Card
	1 - Low-Profile Bracket
	1 - Instruction Manual

Warranty Information

Warranty	2 Years

*Product appearance and specifications are subject to change without notice.