

## 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





## 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

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## 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<br>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<br>Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019, 2022<br>Mac OS X 10.5 to 10.9<br>Linux 2.4.x and up - LTS Versions only<br>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)<br><br>This product is not compatible with Copper SFP modules |

## Indicators

|                |                                               |
|----------------|-----------------------------------------------|
| LED Indicators | 1 - Link (Green)<br><br>1 - Activity (Yellow) |
|----------------|-----------------------------------------------|

## Power

|                              |          |
|------------------------------|----------|
| Power Consumption (In Watts) | 3.2W Max |
|------------------------------|----------|

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