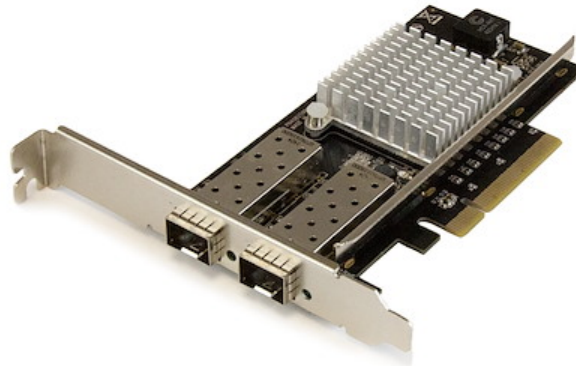


2-Port 10G Fiber Network Card with Open SFP+ - PCIe, Intel Chip

Product ID: PEX20000SFPI



Get fast, high-bandwidth connectivity with this cost-effective fiber network card. It adds two open SFP+ slots to your server or high-powered workstation, giving you an easy way to connect your server or workstation to a 10 Gigabit fiber network using the SFP+ modules of your choice.

Large file transfers, multimedia content and increased numbers of network users create constant pressures for more bandwidth in your network infrastructure. This fiber NIC lets you harness the speed and stability of a 10 Gigabit network. The NIC supports data transfers at up to 10Gbps per port, or up to 20Gbps per port in full-duplex mode.

The fiber NIC is compatible with most 10GbE SFP+ transceivers, giving you flexible configuration options to connect your computer directly to a fiber network at greater distances.

The card features two open SFP+ slots with support for interchangeable SFP+ modules, including the StarTech.com 10GBase-SR SFP+ Fiber Transceiver Module (SKU: SFP10GSRST). This gives you the option to use the modules that best suit your network needs based on distance and connector type. StarTech.com provide a dependable solution for linking telecom and data communications equipment, such as routers and switches.

The 10 Gigabit network card features the Intel 82599 chipset, designed to deliver the power, performance and enhanced capabilities you need for reliable network connections to your server or computer. The Intel chip offers many advanced features including Intel Virtualization Technology for connectivity, PXE network boot support and up to 15K jumbo frame support.

Developed to improve performance and security, StarTech.com Connectivity Tools is the only software suite on the market that works with a wide range of IT connectivity accessories. The software suite includes:

Mac Address Pass-Through Utility: To improve network security.

Wi-Fi Auto Switch Utility: Enabling users to quickly access faster network speeds via wired LAN.

For more information and to download the StarTech.com Connectivity Tools application, please visit:
www.StarTech.com/Connectivity-Tools

The PEX20000SFPI is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility



Applications

- Add 10Gbps network connectivity to file or application servers and high-performance workstations
- Transmit full 10 Gigabit network speeds to a remote terminal over longer distances than copper cabling
- Supports secure setups - a direct fiber connection means no electronic interference, which can be a problem with RJ45 network cards
- Upgrade your onboard network adapter to 10 Gigabit SFP+, for faster communication
- Create a video / audio editing console with 10Gbps access to network storage
- Ideal for remote embedded industrial monitoring systems, and high-speed video surveillance

Features

- Add two 10GbE SFP+ slots to server or workstation for fast, high bandwidth connectivity
- Intel 82599 chipset with Intel Virtualization Technology for connectivity
- Up to 20Gbps (full duplex) bandwidth per port
- PXE network boot support
- Compliant with IEEE 802.3ae (10GBASE-LR/SR only) and IEEE 802.3aq (10GBASE-LRM)
- Compliant with PCI Express Rev 2.0 specification, using PCIe x8 (or higher) slot
- Supports IEEE 802.1Q VLAN tagging
- Support for 802.3ad Link Aggregation
- Up to 15K jumbo frame support
- Dual profile (LP bracket included)
- CONNECTIVITY TOOLS: Provided with this device, the application improves performance and security, featuring

MAC Address Changer & Wi-Fi Auto Switch utilities

Hardware

Warranty	2 Years
Ports	2
Interface	Fiber (10 Gigabit Ethernet)
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Industry Standards	IEEE 802.3ae (10GBASE-LR/SR only), IEEE 802.3aq (10GBASE-LRM) PCI Express Rev 2.0, using PCIe x8 (or higher) slot
Chipset ID	Intel - 82599

Performance

Maximum Data Transfer Rate	20000 Mbps (20 Gbps) - Full-Duplex
Compatible Networks	10 Gbps
Full Duplex Support	Yes
Jumbo Frame Support	9K max.
Promiscuous Mode	Yes
Supported Protocols	IEEE 802.3ad (Link Aggregation) IEEE 802.3x (2005 Flow Control Support) IEEE 802.1Q (VLAN tagging)

Connector(s)

Connector Type(s)	1 - PCI Express x8
Internal Ports	2 - SFP+ Slot

Software

OS Compatibility	Windows 7, 8, 8.1, 10 Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019 (Windows Drivers are supported in 64-bit only) Linux 2.6.24 and up - LTS Versions only
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Special Notes / Requirements

Note	- Intel NIC Teaming is supported only on Windows Server OS (e.g., Server 2012, 2016) and not on desktop versions like Windows 10 or 11.
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Power

Input Voltage	12V DC
Output Voltage	12V DC

Environmental

Operating Temperature	5C to 50C (41F to 122F)
Storage Temperature	-20C to 60C (-4F to 140F)
Humidity	20% ~ 80% RH

Physical Characteristics

Color	Black
Material	Steel
Product Length	5.1 in [13.0 cm]
Product Width	0.0 in [0.1 cm]
Product Height	2.2 in [5.6 cm]
Weight of Product	3.5 oz [98.0 g]

Packaging Information

Package Quantity	1
Package Length	6.8 in [17.2 cm]
Package Width	5.6 in [14.3 cm]
Package Height	1.2 in [3.0 cm]
Shipping (Package) Weight	5.9 oz [166.0 g]

What's in the Box

Included in Package	1 - PCIe 10GBase Fiber Card
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