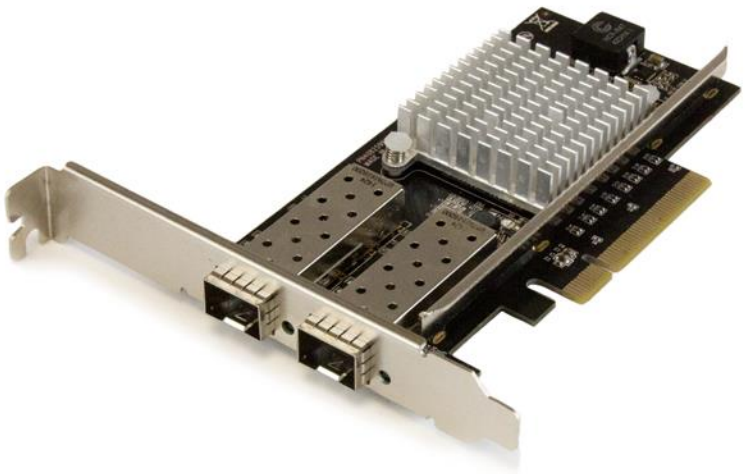
StarTech.com
Hard-to-find made easy®

Data Sheet

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.

Transfer files at faster speeds

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.

Add scalable network connections to your server or workstation

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.

Enhance your network capabilities

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.

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 SPF+ 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)

	Warranty	2 Years
Hardware	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Chipset ID	Intel - 82599
	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
	Interface	Fiber (10 Gigabit Ethernet)
	Ports	2
Performance	Compatible Networks	10 Gbps
	Full Duplex Support	Yes
	Jumbo Frame Support	15K max.
	Maximum Data Transfer Rate	20000 Mbps (20 Gbps) - Full-Duplex
	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 Male
	Internal Ports	2 - SFP+ Slot Female
Software	OS Compatibility	Windows® 7, 8, 8.1, 10 Windows Server® 2008 R2, 2012, 2012 R2, 2016 Linux 2.6.24 to 4.11.x *LTS Versions only*
Environmental	Humidity	20% ~ 80% RH
	Operating Temperature	5°C to 50°C (41°F to 122°F)
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Physical Characteristics	Color	Black
	Product Height	4.7 in [120 mm]
	Product Length	5.3 in [135 mm]
	Product Weight	3.6 oz [102 g]
	Product Width	0.7 in [18 mm]
Packaging Information	Shipping (Package) Weight	6.3 oz [178 g]
What's in the Box	Included in Package	1 - PCIe 10GBase Fiber Card
		1 - Low-profile bracket

1 - Quick install guide

Product appearance and specifications are subject to change without notice.