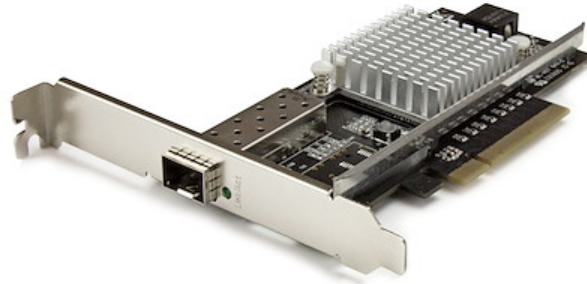1-Port 10G Open SFP+ Network Card - PCIe - Intel Chip - MM/SM

Product ID: PEX10000SFPI

This fiber network card delivers reliable, high-performance network connectivity, by adding an open SFP+ slot to your server or high-powered workstation. It provides an easy and cost-effective way to upgrade your server or workstation to a 10 Gigabit fiber network using the SFP+ module of your choice and gives you the flexibility to use either multimode or single-mode fiber.

Several factors drive the need for more bandwidth in your network infrastructure. An increase in the number of network users and data-intensive applications, such as multimedia streaming and large file transfers all contribute to the need for more bandwidth in your network infrastructure. This fiber NIC lets you take advantage of the increased speed and stability of a 10 Gigabit network, with data transfers of up to 10Gbps.

The fiber NIC is compatible with most 10GbE SFP+ transceivers. This gives you flexible and scalable configuration options for connecting your computer directly to a fiber network, at greater distances.

The card features an open SFP+ slot with support for one interchangeable 10GBase SFP+ module. This gives you the option to use the fiber transceiver module that best suits your network needs based on distance and connector type. StarTech.com offers a variety of SFP+ transceiver modules including the SFP10GLRST single-mode SFP+ the SFP10GLRMST multi-mode SFP+, and SFP10GSRST multimode LC with DDM.

In addition, 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, delivering 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:
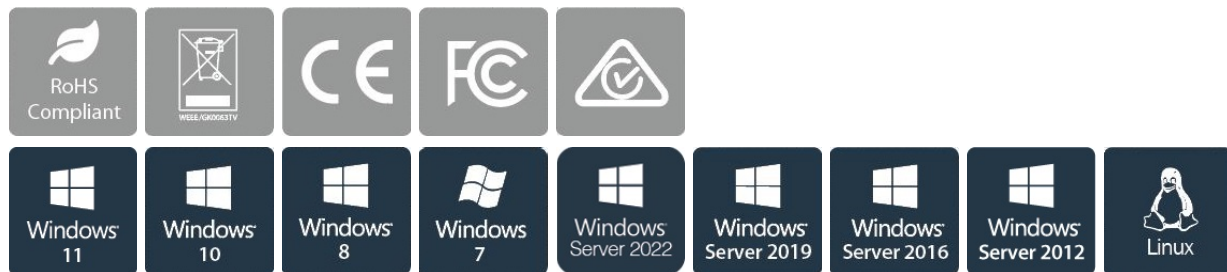
Mac Address Pass-Through Utility: To improve network security.

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 PEX10000SFPI 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 a 10GbE SFP+ slot to your server or workstation for fast, high bandwidth connectivity, compatible with SR or LR transceivers

• Compatible with multimode or single-mode fiber

• Intel 82599 chipset with Intel Virtualization Technology for Connectivity

• 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

• Up to 15K jumbo frame support

• 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	1
Interface	Fiber (10 Gigabit Ethernet)
	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	10 Gbps
Compatible Networks	1Gbps / 10Gbps
Full Duplex Support	Yes
Jumbo Frame Support	9K max.
Promiscuous Mode	Yes
Supported Protocols	IEEE 802.3ad (Link Aggregation) IEEE 802.3x (Flow Control Support)
	IEEE 802.1Q (VLAN tagging)

Connector(s)

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

Software

OS Compatibility	Windows 7, 8, 8.1, 10, 11
	Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019, 2022
	(Windows Drivers are supported in 64-bit only)

Linux 2.6.24 and up - <i>LTS Versions only</i>

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	5.3 in [13.5 cm]
Product Width	0.7 in [1.8 cm]
Product Height	4.7 in [12.0 cm]
Weight of Product	3.6 oz [102.0 g]

Packaging Information

Package Quantity	1
Package Length	6.5 in [16.6 cm]
Package Width	5.7 in [14.4 cm]
Package Height	1.2 in [3.0 cm]
Shipping (Package) Weight	5.8 oz [164.0 g]

What's in the Box

Included in Package	1 - 10G open SFP+ fiber network card
	1 - low-profile bracket
	1 - quick-start guide

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