Quad Port 10G SFP+ Network Card - Intel XL710 Open SFP+ Converged Adapter - PCIe 10 Gigabit Ethernet Server NIC - 10GbE Fiber Optic LAN Card - Dell PowerEdge HPE ProLiant

Product ID: PEX10GSFP4I

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

With multiple available ports, you can avoid network downtime by adding fault-tolerant connections using two or more modules to provide high-bandwidth network links to your mission-critical servers or workstations.

This PCIe network card lets you take advantage of the increased speed and stability of a 10 Gigabit network, with data transfers of up to 10Gbps.

The network interface card 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 four open SFP+ slots with support for interchangeable 10GBase SFP+ modules. This gives you the option to use the fiber transceiver modules that best suit your network needs based on distance and connector type. StarTech.com offers a wide variety of to suit your network requirements. In addition, StarTech.com provide a dependable solution for linking telecom and data communications equipment, such as routers and switches.

The SFP+ server network card features the Intel XL710 chipset, delivering the power, performance and enhanced capabilities you need for reliable 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 9K jumbo frame support.

The PEX10GSFP4I is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

Applications

• Add 10Gbps network connectivity to database, 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

• QUAD SFP+ ADAPTER: 4 ports on SFP+ network card can provide redundancy, or be aggregated for demanding applications; Data Center Bridging (DCB), virtualization incl. VT-c, SAN & iSCSI offload support

• TECH SPECS: 10 Gbps per port 4 SFP+ Ports, MSA Compliant Intel XL710 MMF & SMF Fiber Support PCIe 3.0 x8 PXE Boot 9K Jumbo Frames Link Aggregation VLAN Full profile 2 Yr. Warranty

• TESTED & VERIFIED PERFORMANCE: We use Spirent SmartBits to validate performance; converged network adapter is compatible w/ leading servers like Dell PowerEdge, HPE ProLiant & Lenovo ThinkSystem

• FLEXIBLE: Use MSA compliant SFP+ module or direct attach cable (DAC) supporting different fiber types; 10 Gigabit Ethernet NIC works w/leading brands of switches, routers, & devices like Cisco & HPE

• WIDE HYPEVISOR & OS COMPATIBILITY: Fiber LAN card compatible w/Windows 7, 8, 8.1, 10; Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019; Linux kernels 3.x + (LTS versions); VMWare ESXi 5.0, 5.1+

Hardware		
	Warranty	2 Years
	Ports	4
	Interface	Fiber (10 Gigabit Ethernet)
	Bus Type	PCI Express
	Card Type	Standard Profile
	Industry Standards	IEEE 802.3ae (10GBASE-LR/SR only)
		PCI Express Rev 3.0, using PCIe x8 (or higher) slot
	Chipset ID	Intel - XL710

Performance

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

Connector(s)

Connector Type(s)	PCI Express x8
Internal Ports	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 to 4.11.x (64-bit Only)< <i>LTS Versions only</i>

Special Notes / Requirements

Note	The maximum throughput of this card is limited by the bus interface. PCI Express Gen 1.0 max throughput is 2Gbps per lane. PCI Express Gen 2.0 max throughput is 4Gbps per lane. PCI Express Gen 3.0 max throughput is 8Gbps per lane. The available bandwidth (64Gbps) is shared equally between the four ports.

Indicators

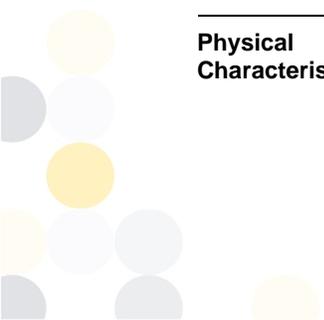|	
LED Indicators	Link/Activity (green)

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	5.5 in [13.9 cm]	
Product Width	0.6 in [15 mm]	
Product Height	3.9 in [100 mm]	
Weight of Product	4.3 oz [122 g]	

Packaging Information

Package Length	6.7 in [17 cm]	
Package Width	5.6 in [14.2 cm]	
Package Height	1.2 in [30 mm]	
Shipping (Package) Weight	6.4 oz [182 g]	

What's in the Box

Included in Package	network card	
	quick-start guide	

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