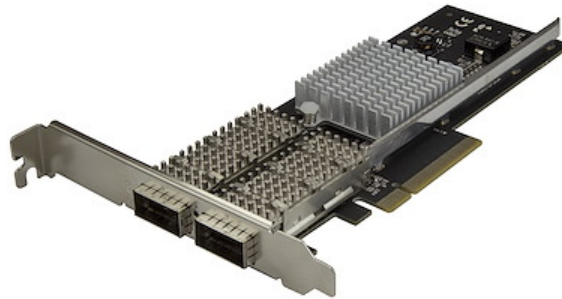Dual Port 40G QSFP+ Network Card - Intel XL710 Open QSFP+ Converged Adapter - PCIe 40 Gigabit Ethernet Server NIC - 40GbE Fiber Optic LAN Card - Dell PowerEdge HPE ProLiant

Product ID: PEX40GQSFDPI

Get fast, high-bandwidth connectivity with this dual-port QSFP+ Network Interface Card. It adds two open QSFP+ slots to your server or workstation. The 40G NIC features an Intel controller and provides redundant network links with reliable performance. It's ideal for high-demand database servers, virtualized servers and agile data centers that require infrastructure updates with no downtime.

This dual port QSFP+ server NIC card lets you take advantage of the speed and stability of a 40 Gigabit network, with data transfers of up to 40Gbps.

With two QSFP+ ports, the PCIe NIC helps to prevent network downtime by adding fault-tolerant connections using two modules, to provide high-bandwidth network links to your mission-critical servers or workstations.

With its open QSFP+ slots, the network interface card supports QSFP+ transceiver modules and is compatible with multimode and single-mode fiber, providing a scalable networking solution.

The 40G NIC uses an Intel XL710 chipset providing reliable connectivity and convergent network features. It offers many advanced features including Intel Virtualization Technology for Connectivity.

The PEX40GQSFDPI is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

Applications

• Add ultra-fast 40Gbps network connectivity to database, file or application servers and high-performance workstations

• Transmit full 40Gpbs network speeds to a remote terminal over longer distance than copper cabling

• Ideal for agile and high-demand data centers that require data security, no downtime, and infrastructure updates

• Supports secure setups - a direct fiber connection means no electronic interference, which can be a problem with RJ45 network cards

• Create a video/audio editing console with 40Gbps access to network storage

• Ideal for remote embedded industrial monitoring system, and high-speed video surveillance

Features

• DUAL QSFP+ NETWORK CARD: Two port 40GbE converged network adapter for redundancy or can be aggregated for demanding applications; Data Center Bridging (DCB), virtualization & iSCSI offload support

• TECH SPECS: 2x 40 Gbps Open QSFP+ Ports MSA Compliant Intel XL710 Chip MMF & SMF Fiber Support PCIe 3.0 x8 PXE Boot 9K Jumbo Frames VLAN Full & low profile 2 Yr. Warranty

• TESTED & VERIFIED PERFORMANCE: We use Spirent SmartBits to validate performance of this 40 Gigabit Ethernet Card; compatible w/ leading servers like Dell PowerEdge, HPE ProLiant & Lenovo ThinkSystem

• FLEXIBLE: Use MSA compliant QSFP+ or direct attach cable (DAC) supporting different fiber types w/this 40GbE PCI Express NIC; works w/ leading brands of switches, routers, & devices like Cisco & HPE

• WIDE HYPEVISOR & OS COMPATIBILITY: Network Interface Card works 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	2
	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Industry Standards	IEEE 802.3ba 40GBASE-SR4
		IEEE 802.3ba 40GBASE-LR4
		PCI Express Rev 3.0, using PCIe x8 (or higher) slot
	Chipset ID	Intel - XL710-BM2
Performance		
	Compatible Networks	40 Gbps
	Auto MDIX	No
	PXE	No

	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)	QSFP+
		PCI Express x8

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>

Indicators

	LED Indicators	Link/Activity (green)

Environmental

	Operating Temperature	0C to 57C (32F to 134.6F)
	Storage Temperature	-20C to 85C (-4F to 185F)
	Humidity	5~95% RH

Physical Characteristics

	Color	Black
	Material	Steel
	Product Length	7.1 in [18.1 cm]
	Product Width	4.8 in [12.1 cm]
	Product Height	0.8 in [21 mm]
	Weight of Product	4.5 oz [127 g]

Packaging

Hard-to-find **made easy**®

Information

	Package Length	8.1 in [20.7 cm]
	Package Width	5.7 in [14.5 cm]
	Package Height	1.6 in [40 mm]
	Shipping (Package) Weight	7.5 oz [212 g]

What's in the Box

	Included in Package	network card
		low-profile bracket
		quick-start guide

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