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.

Increase your network speed

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.

Add redundant connections in zero-downtime environments

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.

Add scalable network connections

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.

Enhance your network capabilities

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

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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
	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Chipset ID	Intel - XL710-BM2
	Industry Standards	IEEE 802.3ba 40GBASE-SR4 IEEE 802.3ba 40GBASE-LR4 PCI Express Rev 3.0, using PCIe x8 (or higher) slot
	Ports	2
Performance	Auto MDIX	No
	Compatible Networks	40 Gbps
	Full Duplex Support	Yes
	Jumbo Frame Support	9K max.
	PXE	No
	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 Male
		2 - QSFP+ Female
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)< *LTS Versions only*
Indicators	LED Indicators	2 - Link/Activity (green)
Environmental	Humidity	5~95% RH
	Operating Temperature	0°C to 57°C (32°F to 134.6°F)
	Storage Temperature	-20°C to 85°C (-4°F to 185°F)
Physical Characteristics	Color	Black
	Product Height	0.8 in [2.1 cm]
	Product Length	7.1 in [18.1 cm]
	Product Width	4.8 in [12.1 cm]
	Weight of Product	4.5 oz [127 g]
Packaging Information	Package Height	1.6 in [40 mm]
	Package Length	8.1 in [20.7 cm]

	Package Width	5.7 in [14.5 cm]
	Shipping (Package) Weight	7.5 oz [212 g]
What's in the Box	Included in Package	1 - network card
		1 - low-profile bracket
		1 - quick-start guide

Product appearance and specifications are subject to change without notice.