1-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: PEX40GQSFPI

Get fast, high-bandwidth connectivity with this QSFP+ server network card. The converged network adapter adds an open QSFP+ slot to your server or workstation. The 40Gb NIC features an Intel controller and provides reliable performance. It's ideal for high-demand database servers, virtualized servers and agile data centers that require infrastructure updates with no downtime.

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

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

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

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 PEX40GQSFPI 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

• Utilize full 40Gpbs network speeds over longer distances than copper cabling

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

Features

• 40GbE QSFP+ NETWORK CARD: Converged network adapter provides high bandwidth to servers and workstations for demanding applications; SAN and iSCSI offload support

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

• TESTED & VERIFIED PERFORMANCE: We use Spirent SmartBits validation tools to validate performance; Fiber LAN card compatible w/leading servers like Dell PowerEdge HPE ProLiant & Lenovo ThinkSystem

• FLEXIBLE: Use any MSA compliant QSFP+ module / direct attach cable (DAC) supporting different fiber types; 40GbE Network Interface Card works w/leading switch, router, & device brands like Cisco & HPE

• WIDE OS COMPATIBILITY: 40 Gigabit Ethernet NIC works w/Windows 7, 8, 8.1, 10, 11; Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019; Linux kernels 3.x + (LTS versions)

• CONNECTIVITY TOOLS: Provided with this device, the application improves performance and security, featuring MAC Address Changer & Wi-Fi Auto Switch utilities

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Hardware

Warranty	2 Years
Ports	1
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-BM1

Performance

	Maximum Data Transfer Rate	40Gbps
	Compatible Networks	40 Gbps
	Auto MDIX	Yes
	Full Duplex Support	Yes
	Jumbo Frame Support	9K max.
	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
	Internal Ports	1 - QSFP+

Software

	OS Compatibility	Windows 7, 8, 8.1, 10, 11
		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	1 - Link LED/Activity LED

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 [2.0 cm]
	Weight of Product	4.0 oz [112.0 g]

Packaging Information

	Package Length	8.1 in [20.7 cm]
	Package Width	4.5 in [11.4 cm]
	Package Height	1.5 in [3.8 cm]
	Shipping (Package) Weight	8.5 oz [242.0 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.