

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: PEX40GQSFDP1



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.

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 PEX40GQSFDP1 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 40Gbps 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 OS COMPATIBILITY:** Network Interface Card 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

Hardware

Warranty

2 Years

Ports	2
Bus Type	PCI Express
Card Type	Standard Profile
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.
MTBF	479,040 hours
Supported Protocols	IEEE 802.3ad (Link Aggregation) IEEE 802.3x (Flow Control Support) IEEE 802.1Q (VLAN tagging)

Connector(s)

Connector Type(s)	2 - QSFP+ 1 - PCI Express x8
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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 - LTS Versions only
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Special Notes / Requirements

Note	- Intel NIC Teaming is supported only on Windows Server OS (e.g., Server 2012, 2016) and not on desktop versions like
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Windows 10 or 11.

Indicators

LED Indicators	2 - Link/Activity (green)
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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 [2.1 cm]
Weight of Product	4.5 oz [127 g]

Packaging Information

Package Quantity	1
Package Length	8.2 in [20.9 cm]
Package Width	5.7 in [14.5 cm]
Package Height	1.6 in [4.1 cm]
Shipping (Package) Weight	7.8 oz [220.0 g]

What's in the Box

Included in Package	1 - network card
	1 - low-profile bracket
	1 - quick-start guide

Warranty Information

Warranty

2 Years

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