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Product Specification Sheet

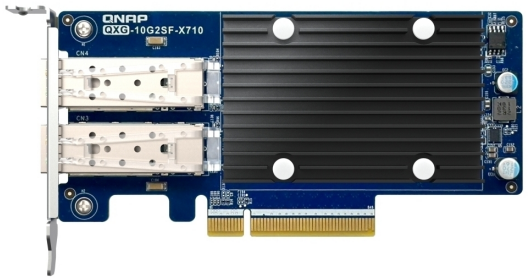
QXG-10G2SF-X710

QNap Dual-Port SFP+ 10GbE PCI-e Gen3 x8 Network Expansion card

Product Overview

QNap Dual-Port SFP+ 10GbE PCI-e Gen3 x8 Network Expansion card, Low-Profile Form Factor, QXG-10G2SF-X710, 2x SFP+ Ports, 10Gbps / 1Gbps transmission rates











Specifications

Overview:

QXG-10G2SF-X710
Dual-port, 10 GbE network expansion card

The QXG-10G2SF-X710 10 GbE network expansion card, featuring two 10 GbE SFP+ ports (10G/1G), is energy-efficient and budget-friendly. It serves as an ideal solution for teams that need concurrent data access, for photographers/videographers seeking rapid and seamless data transmission capabilities, or for latency-sensitive virtualization applications.

- NAS and PCThe QXG-10G2SF-X710 can be installed in a QNAP NAS or Windows PC.
- PCIe 3.0Supports PCIe Gen 3 x8, compatible with PCIe Gen 4 slot.
- SR-IOVImproves the network performance of virtual machines.
- Fanless designUses large-area, high-quality heat sinks; Perfect for use in noise-sensitive environments.
- LED indicatorsMonitor the real-time status of ports with handy LED indicators.

Features:

Compatible with NAS and PC
The QXG-10G2SF-X710 network expansion card supports QNAP NAS, Windows, and Linux devices, allowing you to maximize the performance potential of all your networked devices.

- NAS operating system:QTS 5.1 (and later), QuTS hero h5.1 (and later). Check compatibility
- Windows:Windows 11 22H2, Windows Server 2022 21H2 (driver required)
- Linux:Ubuntu 20.04 LTS (driver required)

Gain up to 20 Gbps bandwidth
By virtually bundling two 10 GbE ports with SMB multichannel or port trunking, you gain larger bandwidth for your QNAP NAS. Let's see which features are suitable for your usage scenarios:

- SMB Multichannel:Multiply the available bandwidth (20 Gbps) between NAS and directly-connected clients. Suited for personal use.
- Port trunking:Increases file access efficiency for simultaneous data access with multiple members. Recommended for users who deploy network switches in their IT infrastructure.

Note: SMB multichannel is supported by QTS 5.1/QuTS hero 5.1 (or later).

Strengthen your virtualization environment with SR-IOV
The QXG-10G2SF-X710 supports SR-IOV, which can allocate bandwidth resources from a physical network card directly to VMs on the NAS. It helps improve network efficiency, ensuring reliable VM applications and reduced CPU overheads.

Note: SR-IOV is supported by specific QNAP NAS models and should work with SR-IOV compatible adapters. Click here to check supported NAS models.

Build a 10 GbE network environment
Increase your IT performance and productivity by using the QXG-10G2SF-X710 with QNAP's 10 GbE switches to build budget-friendly high-speed network environments.

Specifications:

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Specifications	
Product Code	QXG-10G2SF-X710
Dual-port 10 GbE network expansion card	
Dimensions (L x W x H)	141.9 mm length x 1-slot width x Low-profile (The dimension is based on PCBA size x not including the bracket) mm
Number of Ports	2 x SFP+ ports
Connector	SFP+
PCIe and Lanes	PCIe Gen3 x8
Transmission Rates	10Gbps/1Gbps
IEEE Standards	IEEE Std 802.3ae 10 Gigabit Ethernet
	IEEE Std 802.3az Energy Efficient Ethernet
	IEEE Std 802.3ap based auto-negotiation between 1, 10, 40 Gb/s, FEC, and KR startup
	Proprietary Ethernet protocols (20/40GBASE-R2, 50GBASE- R4)
	IEEE Std 802.3ad Link Aggregation and Failover
	IEEE 802.1Q, 802.1p VLAN tags and priority
	IEEE Std 802.1Qau Congestion Notification (QCN)
	IEEE Std 802.1Qaz (ETS)
Bracket	Low-profile bracket pre-installed, full-height and specialized (for selected QNAP NAS) brackets are bundled
SR-IOV Support	Yes
Supported NAS operating systems	At least QTS 5.1.0 &QuTS Hero 5.1.0 build 20230725
Supported QNAP NAS	Models with PCIe slot(s) (1 free slot required)
Support Ubuntu Commercial Linux Distribution	Ubuntu 20.04/22.04
Support Windows	Windows 11
Support Windows Server	Windows Server 2022
Port and Cable	SFP+ DAC cable (1.5M, 3M, 5M) or SFP+ OPTIC transceiver
Package Contents	1 x Network card, 1 x QIG, 3 x Brackets

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/QXG-10G2SF-X710-QNap-Dual-Port-SFP-10GbE-PCI-e-Gen3-x8-Network-Expansion-card-p-296620.php

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