



Dual-port 25 GbE network expansion card

Dimensions (L x W x H)	117.33 mm length × 1-slot width × Low-profile (The dimension is based on PCBA size × not including the bracket) inch
Cable	CAB-DAC30M-SFP28, CAB-DAC15M-SFP28, TRX-25GSFP28-SR
Controller	NVIDIA Mellanox ConnectX-6 Lx
Number of Ports	2 x SFP28
Connector	SFP28
PCIe and Lanes	PCIe Gen4 x8
Transmission Rates	25Gbps/10Gbps
IEEE Standards	IEEE 802.3ae 10 Gigabit Ethernet 25/50 Ethernet Consortium 25G and 50G supporting all FEC modes IEEE 802.3by 25G supporting all FEC modes IEEE 802.3ad, 802.1AX Link Aggregation IEEE 802.3az Energy Efficient Ethernet (supports only "Fast-Wake" mode) IEEE 802.3ap based auto-negotiation and KR startup IEEE 802.1Q, 802.1P VLAN tags and priority IEEE 802.1Qaz (ETS)
Bracket	Low-profile bracket pre-installed; full-height and specialized (for selected QNAP NAS) brackets are bundled
SR-IOV Support	Yes
RDMA over Converged Ethernet (RoCE), Zero Touch RoCE (ZTR) Support	Yes
VLAN insertion/stripping Support	Yes
iSER Support	Yes
NVGRE, VXLAN, Geneve Support	Yes
How many virtual functions	512
How many physical functions per host	8

Supported NAS operating systems	QTS/QuTS hero (recommend an upgrade to the latest version); Windows (<u>Driver required</u>); Linux (<u>Driver required</u>)
Supported QNAP NAS	Models with PCIe slot(s) (1 free slot required)
Support Ubuntu Commercial Linux Distribution	-Ubuntu 20.04 driver: mlx5_core, version: 5.15.0-97-generic -Ubuntu 22.04 driver: mlx5_core, version: 6.5.0-35-generic
Support Windows	Windows 8/10
Support Windows Server	Windows Server 2016/2019
Port and Cable	SFP28 DAC cable (3M) or SFP28 OPTIC transceiver
Package Contents	1 x Network card; 1 x QIG; 3 x Brackets
Standard Warranty	3 years

Note: QNAP reserves the right to replace partial parts or accessories if the original is no longer available from its manufacturer/supplier. Any replacement would be fully tested and verified to meet strict compatibility and stability guidelines and will deliver identical performance to the original.

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Designs and specifications are subject to change without notice.