



## 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) mm
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 18.04/20.04
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: Use only QNAP memory modules to maintain system performance and stability. For NAS devices with more than one memory slot, use QNAP modules with identical specifications and refer to the hardware user manual to install compatible QNAP memory modules.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting. 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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