



Dual-port 25 GbE network expansion card

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 mant 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
Port and Cable	SFP28 DAC cable (3M) or SFP28 OPTIC transceiver
Package Content	1 x Network card; 1 x QIG; 3 x Brackets

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.

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

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