



Dual-port 25 GbE network expansion card

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| 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 |

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| 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.