



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: 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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