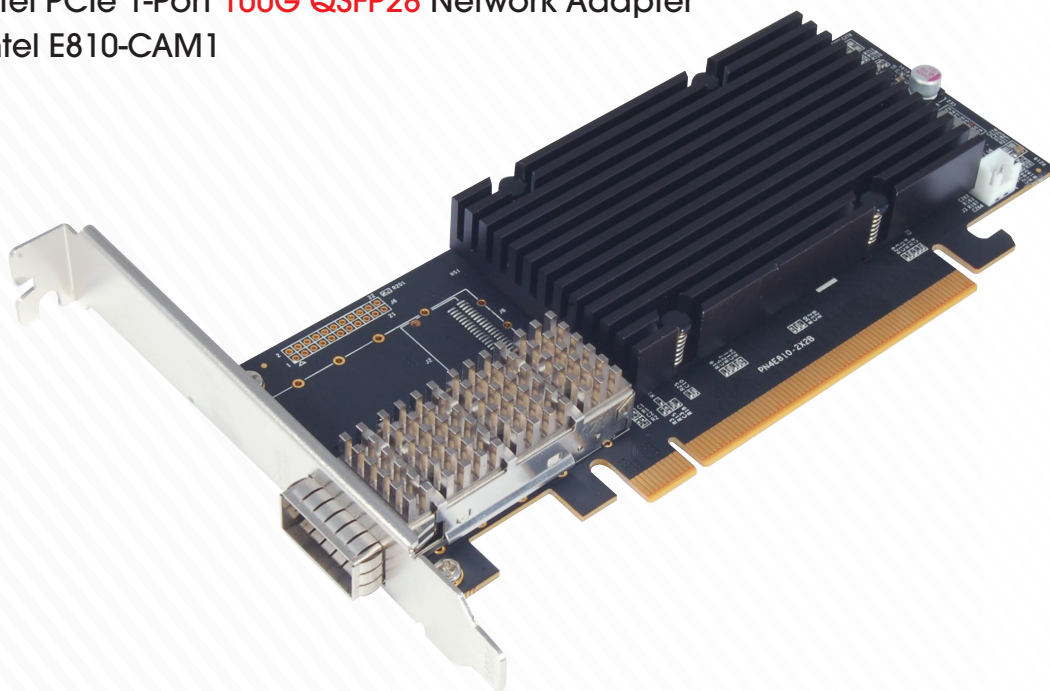


N-770 Intel PCIe 1-Port 100G QSFP28 Network Adapter

Solution: Intel E810-CAM1



N-770 is a high-performance Ethernet adapter designed for use in data center environments. It features one 100GbE QSFP28 port and is based on Intel's latest Ethernet controller technology, providing industry-leading performance and reliability. It supports a range of advanced features, including RDMA over Converged Ethernet (RoCE), Virtual Machine Device Queues (VMDq), and Intel Ethernet Flow Director, which help to reduce latency and improve network efficiency. The adapter is also designed to be low-latency, with support for hardware time stamping and packet filtering capabilities.

Features

- PCIe 4.0 x16
- Add one QSFP28 port for multiple high-speed connections
- Support 100G/50G/25G/10Gbps optics, AOC and DAC modules
- Various performance optimization technologies: ADQ, DDP, DPDK
- Hardware time stamping for accurate time synchronization in the network
- Support IEEE1588 PTP v2 Precision Time Protocol
- Support both RDMA iWARP and RoCEv2 for low-latency networking
- Virtual Machine Device Queues (VMDq) for improved network efficiency
- Intel Ethernet Flow Director for advanced packet filtering capabilities
- Up to 256 SR-IOV Virtual Functions
- Support Low Profile



100GbE QSFP28



N-770 Intel PCIe 1-Port **100G QSFP28** Network Adapter
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100GbE QSFP28

Specifications

Ordering Code	N-770
Description	Intel PCIe 1-Port 100G QSFP28 Network Adapter
Form Factor	PCIe 4.0 x16
Bus Width	x16 lane PCI Express
OS Driver Support	Windows 11; Server 2016/2019/2022; Linux 3.16 or later
Connectors	1x QSFP28
Data Rates	100/50/25/10GbE
Dimension	181 x 121 x 22 mm
Operating Temperature	0 °C – 60 °C
Storage Temperature	-20 °C – 70 °C
EMC Standards	CE, FCC
Package Contents	1x Intel PCIe 1-Port 100G QSFP28 Network Adapter 1x User Manual

