

N-1180 Broadcom 1-Port 200G QSFP56 OCP 3.0 Network Adapter

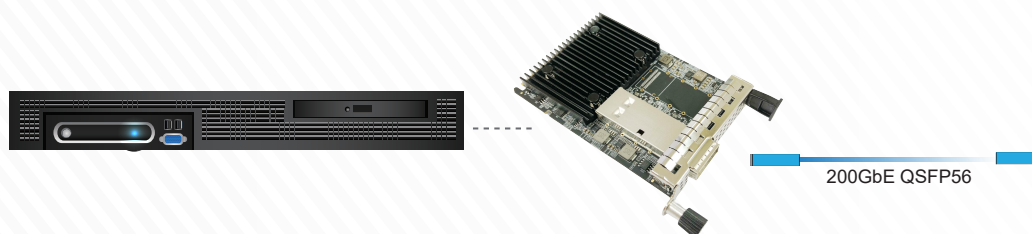
Solution: BCM57508



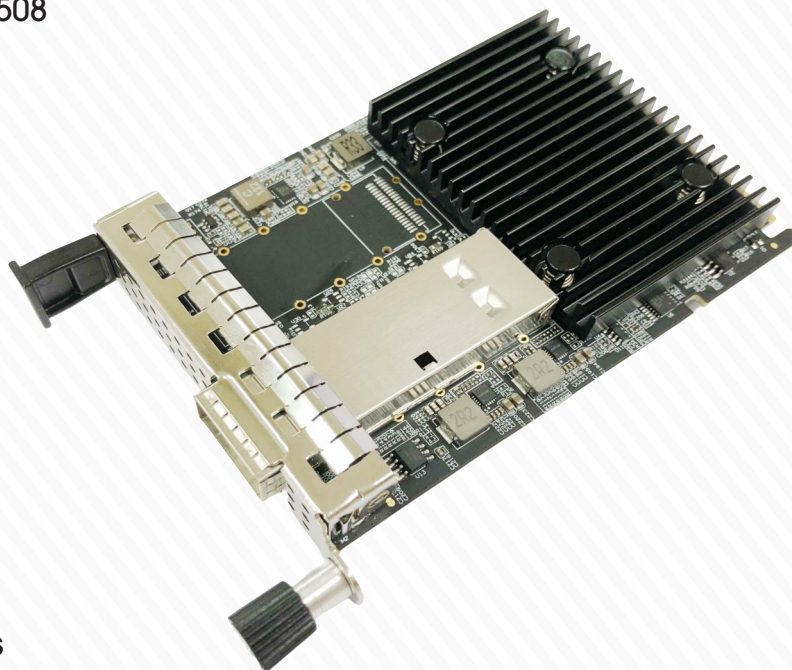
The N-1180 Broadcom 1-Port 200G QSFP56 OCP 3.0 Network Adapter built on Broadcom's BCM57508 controller enables highly-scalable, feature-rich networking solutions in servers. It caters to enterprise and cloud-scale applications, including high-performance computing, telco, machine learning, storage disaggregation, and data analytics. By combining a high-bandwidth Ethernet controller with optimized hardware acceleration engines, it enhances network performance and server efficiency. Notably, features like TruFlow™ boost VM density, and on-chip tunneling protocols improve throughput while reducing CPU utilization.

Features

- Standards-compliant 200/100/50/40/25/10G single-port QSFP56 OCP 3.0 adapter with line-rate, full-duplex throughput
- NIC partitioning supporting 16 physical functions (PFs)
- TruFlow™ engine for intelligent flow processing to increase server VM density and accelerate vSwitch processing
- Industry's most secure OCP 3.0 adapter solution leveraging Broadcom's BroadSAFE® technology to provide unparalleled platform security via Silicon Root of Trust
- New end-to-end congestion avoidance and management to anticipate and eliminate congestion before it happens
- Support for advanced networking technologies including RoCE, SDN, NFV and virtualization
- TruManage™ enhances server manageability and security for data center deployments
- Multi-host allows multiple compute and storage nodes to seamlessly connect to a single Ethernet adapter for cloud-scale networking and storage applications



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200GbE QSFP56

Specifications

Ordering Code	N-1180
Description	Broadcom 1-Port 200G QSFP56 OCP 3.0 Network Adapter
Form Factor	OCP 3.0 SFF
Bus Width	x16 lane PCI Express
OS Driver Support	Windows Sever 2019/2022/2025 Linux kernel versions 2.6 or newer VMware ESXi 7.0 or above FreeBSD
Connectors	1x QSFP56
Data Rates	200/100/50/40/25/10GbE
RoCEv2	Yes
TruFlow™	Yes
TruManage™	Yes
Dimension	131.81x84.6x15.1mm
Operating Temperature	0℃ – 55℃
Storage Temperature	-40℃ – 70℃
EMC Standards	CE, FCC
Package Contents	1x Broadcom 1-Port 200G QSFP56 OCP 3.0 Network Adapter 1x User Manual

