

AOC-QSFP28-CABLE-10M

100 Gb/s 10m QSFP28 to QSFP28 Short Reach Active Optical Cable

Features

- Multiple conductor sizes for optimized performance
- Positive retention pull-release latch system
- High-density QSFP+ connector
- Ultra-low crosstalk for enhanced performance
- Cost-effective and optimized for high-speed data center interconnects

Applications

- Ethernet 100GBASE-SR4
- Rack-to-Rack, Shelf-to-Shelf Interconnect
- High Performance Networking, Storage, and clusters
- Hubs, switches, routers, servers

Specifications

- IEEE 802.3ba (40/100GbE)
- IEEE 802.3bm 100GBASE-SR4

Regulatory Compliance

- SFF-8665

Physical and Environmental

- RoHS-6 compliant (lead-free)
- Operating temperature: 0°C to 70°C
- Single Ended Input Voltage Tolerance 3.3V max

Compatible Adapters

- T62100-CR
- T62100-LP-CR
- T62100-SO-CR
- T61100-OCP

Overview

Chelsio's AOC-QSFP28-CABLE-10M 100Gb/s 10m QSFP28 to QSFP28 Short Reach Active Optical Cables are designed and certified for use with Chelsio's 100-Gigabit Ethernet Unified Wire Adapters. The Fiber Optics cables offer a cost-effective and power-efficient cabling solution for high-speed data applications.



The Chelsio AOC-QSFP28-CABLE-10M Active optical cable is compatible with Chelsio's T6-based Unified Wire Adapters. The T6 adapters support PCI Express 3.0 host bus interface, and are optimized for storage, cloud computing, HPC, virtualization and other datacenter applications. The sixth-generation T6 ASIC technology from Chelsio provides the highest performance while dramatically lowering host-system CPU and memory overhead with on-board hardware that offloads TCP/IP, iSCSI, FCoE, iWARP RDMA, IPsec, TLS/SSL, DTLS and SMB 3.X crypto processing. As a result, the system benefits from higher bandwidth, lower latency and reduced power consumption.

Characteristics

Chelsio's AOC-QSFP28-CABLE-10M QSFP28 cables are fully compliant with IEEE 802.3ba and IBTA specifications and adhere to RoHS-6 standards.

The T6 Adapters with AOC-QSFP28-CABLE-10M cables enable a unified wire for LAN, SAN, and cluster traffic. Built upon a combination of high bandwidth and low latency architecture, the T6 solution offers a complete set of storage and cluster protocols operating over Ethernet. T6 solution's port-to-port and adapter-to-adapter failover features are ideal for critical applications that require redundancy and high-availability capabilities. Full Software suite was run with these cables and Chelsio recommends using these cables only with Chelsio Adapters to allow the Adapter warranty and support structure to remain intact.

Ordering Information

Model: AOC-QSFP28-CABLE-10M (100 Gb/s 10m QSFP28 to QSFP28 Short Reach Active Optical Cable)

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