

Overseas Warehouse Active Optical Equipment QSFP-DD



Article Overview

QSFP-DD active optical components, including 400G and 200G AOCs, are high-speed, standards-compliant solutions ideal for data centers, HPC, and cloud applications.

Overview of QSFP-DD Active Optical Components

QSFP-DD (Quad Small Form-Factor Pluggable Double Density) active optical cables (AOCs) are designed to provide high-bandwidth, low-latency interconnects for modern data centers. They support 400G Ethernet (8x50 Gbps) and 200G Ethernet (8x25 Gbps) configurations, enabling high-density port deployment while maintaining efficient airflow and cable management . These components are widely used in cloud computing, AI, storage, and HPC environments due to their reliability and compact form factor .

Key Features

- **High-Speed Performance:** 400G QSFP-DD AOCs operate at up to 53 Gbps per lane over OM4 multimode fibers, while 200G variants support up to 25 Gbps per lane .
- **Standards Compliance:** QSFP-DD AOCs comply with IEEE 802.3cd, OIF-CEI-04.0, QSFP-DD MSA, and QSFP-DD-CMIS-rev4p0, ensuring interoperability with existing network infrastructure .
- **Form Factor and Compatibility:** QSFP-DD modules are backward compatible with QSFP28 ports and support high-density deployments, doubling port density compared to 100G QSFP28 AOCs

Article Content

QSFP-DD Optical Transceivers for High-Speed Connections

QSFP-DD ports incorporate a riding heatsink that can be sized independently of the optical module, added on top of the module, or

7m (23ft) HW Compatible 400G QSFP-DD Active Optical Cable

The 400G QSFP-DD active optical cables are designed for use in 400 Gigabit Ethernet links over OM4 multimode fibres, and contain

SFP, QSFP, QSFP-DD, OSFP ACTIVE OPTICAL CABLE ASSEMBLIES

TE Connectivity's (TE) active optical cable assembly portfolio provides improved cable flexibility and longer reach, as compared to

400G QSFP-DD Active Optical Cable

P-DD MSA Hardware Specification. High speed electrical specifications are compliant with QSFP-DD MSA Hardware Specification

QSFP-DD Pluggable Double Density Active Optical Cables

High-speed QSFP-DD Active Optical Cables with double density design for reliable data center connectivity and performance.

Cisco Optics | Transform Your Network

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your

400G QSFP-DD Active Optical Cable (AOC) | Lumentum

Lumentum's 400G QSFP-DD Active Optical Cable (AOC) provides high-speed, low-latency optical connectivity for short-reach

Customized 400G QSFP-DD to 2 x 200G QSFP56 Active Optical

This breakout cable is compliant with IEEE 802.3, QSFP-DD MSA, SFF-8024, SFF-8679, SFF-8665, OIF-CEI-04.0, and CMIS 4.0.

The Ultimate Guide to QSFP Cable: Everything You Need to Know

A: Active optical cables use electronic components to amplify signals over long distances by utilizing optical fibers. On

3m (10ft) 400G QSFP-DD Active Optical Cable

The 400G QSFP-DD active optical cables are designed for use in 400 Gigabit Ethernet links over OM4 multimode fibres, and contain

Product Datasheet 400G QSFP-DD Active Optical Cable

Notes: QSFP-DD uses common ground (GND) for all signals and supply (power). All are common within the QSFP-DD module

Cisco Optical Transceiver Handling Guide

Handling Guidelines for QSFP-DD, QSFP, SFP Transceiver This guide describes the general handling measures and precautions

QSFP DD 200G Active Optical Cable Assemblies

Amphenol QSFP DD to QSFP DD 200G Active Optical Cable assemblies increase the number of lanes from 4 to 8 and double the

QSFP DD 400G Active Optical Cable

Amphenol's QSFP DD to QSFP DD 400G Active Optical Cable (AOC) assemblies doubles both the number of lanes from 4 to 8 and

40G QSFP+ Transceiver Modules | Optical Transceivers

FS 40G QSFP+ optical transceiver module solutions offer a full range of QSFP+ modules from 150m to 80km reach, and used for

400G QSFP-DD | Active Optical Cable (AOC)

The 400G QSFP-DD active optical cables are designed for use in 400 Gigabit Ethernet links over OM4 multimode fibers, and contain

800G QSFP-DD Active Optical Cable Data Sheet | FS

The 800G QSFP-DD Active Optical Cable is designed for 800 Gigabit Ethernet links over OM4 multimode fiber. This cable is

Contact Us

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