

Overseas warehouse optical active equipment 400G



Overview

Supporting QSFP-DD and OSFP interfaces, our 400G AOCs provide a cost-effective alternative to transceivers for in-rack and row connections. The 400G QSFP-DD active optical cables are designed for use in 400 Gigabit Ethernet links over OM4 multimode fibers, and contain eight multi-mode fibers (MMF) optic transceivers per end, each operating at data rates of up to 53Gb/s. This active optical cable is compliant with IEEE 802.3cd. Webex spaces will be moderated by the speaker until June 13, 2025. Are pluggable optics dead or alive for the AI era?

Are pluggables relevant in the AI era?

Majority of the switch ports in AI back-end Networks to be 800 Gbps in 2025 and 1600 Gbps in 2027, showing a very fast migration to the. Pivotal Optics' Active Optical Cables (AOCs) are fully integrated, plug-and-play fiber assemblies designed for short- to medium-range high-speed data links—without the need for separate transceivers. Built with bonded multi-mode or single-mode fiber, these cables deliver secure, low-latency. NADDOD offers a comprehensive range of best-in-class 400G Ethernet breakout AOC (Active Optical Cable) solutions. The product portfolio includes 400G QSFP-DD to 4x100G QSFP56 and 400G QSFP-DD to 2x200G QSFP56, with cable lengths ranging from 1 meter to 50 meters.

Article Content

400G Breakout Active Optical Cable | 400G AOC Splitters

Transform your data center's performance with NADDOD cutting-edge 400G AOC splitters. Our robust and scalable solutions provide high-speed, low-latency data

400G Active Optical Cables (AOCs) – Vitex LLC

Supporting QSFP-DD and OSFP interfaces, our 400G AOCs provide a cost-effective alternative to transceivers for in-rack and row connections. From 1.6T/800G down to legacy links, our optics are

3m (10ft) 400G QSFP-DD to 4 x 100G QSFP56 Active Optical

The 400G QSFP-DD to 4x 100G QSFP56 breakout active optical cables are designed for use in 400 Gigabit Ethernet links over OM3 multimode fibers, each operating at data rates of up to 53.125Gbps

400G QSFP-DD Active Optical Cable Datasheet | FS

Description 400G QSFP-DD to 400G QSFP-DD Active Optical Cable enables low-power, high-reliability and high-speed interconnections over very thin copper cables without using any optical components.

Cisco 400G QSFP-DD Optical Transceivers: A

Find all the information you need about Cisco's 400G QSFP-DD Optical Transceivers with this comprehensive data sheet. Get details on the form

400G test solution for the field | EXFO

Available on the FTBx-88460 solution, iOptics is an intelligent pluggable optics test application that can be used in the field or lab environment. It evaluates the

400G QSFP-DD AOC

400G QSFP-DD AOC - ActiveOpticalCable offers 400G QSFP56-DD active optical cables, which meets the needs of higher speed, greater scalability, better

Over 20 Million 400G & 800G Datacom Optical Module

Unit shipments of 400G and 800G modules have grown nearly fourfold over the past 12 months and are expected to surpass 20 million for 2024.

FS 800G& 400G Transceiver Acceptance Testing Guide

The installation, removal, replacement, and maintenance of optical modules affect the overall link quality. This manual provides specifications and usage instructions for optical modules in building high

OSFP Active Optical Cables Build a Strong 400G

OSFP Active Optical Cables Build a Strong 400G Foundation in Data Centers Search
Products Content Last Updated: May 7, 2025 Future proof your

100m (328ft) Generic Compatible 400G QSFP-DD

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

400G-FR4 Technical Specifications Rev 2.0

The 400G-FR4-3-Open Eye fiber optic cabling shall meet the specifications defined in Table 6-1. The fiber optic cabling consists of one or more sections of fiber optic cable and any intermediate

400G Transceivers to Meet Increased Data Demands

400G transceivers available in QDD and OSFP solutions. Meet increased data demands with high-performance optical transceivers.

400G QSFP56-DD to 4x 100G QSFP56 Breakout Active

The 400G QSFP56-DD to 4x 100G QSFP56 AOC breakout active optical cables are designed for 400G to 4x 100G Ethernet links reach up to 70m (OM3) or 100m

400G Active Optical Cable QSFP112 To OSFP-RHS

400G QSFP-DD to 400G OSFP-RHS active optical cable provides 4x106.25Gbps PAM4 transmitter and PAM4 receiver. The max. link length is 50m on OM4 MMF

Molex rolls out 400G, 100G data center optics, plus new

Delivery of 400G and 100G optics to support data center, cloud and wireless applications. Introduction of new 112G Active Electrical Cables join the

Active Optical Cables AOC SFP QSFP 10G 25G 100G 400G Fiber

Shop active optical cables from Pivotal Optics for data center & enterprise networks. AOC solutions from 10G to 400G SFP & QSFP. Lightweight, flexible cables!

How 400G Optical Modules Are Shaping Next-Gen Networks

Discover key factors driving the rapid adoption of 400G optical transceivers, including AI, 5G, coherent optics, and market trends shaping next-gen network infrastructure.

400G Active Optical Cable

Photonic 400G Active Optical Cable (Breakout Cable 2x200G - QSFP112 version) provides optimized solutions for interconnections inside datacenter up to 50M on OM4 fiber. Products are both in

400G QSFP-DD Active Optical Cable

Designed for high-density data centers, this active optical cable supports 400Gbps over 100m with low power consumption. Engineered for reliability and flexibility, it simplifies deployment in AI clusters

400G QSFP-DD Active Optical Cable

400G QSFP-DD Active Optical Cable FEATURES Eight-channel full duplex active optical cable Up to 53.125 Gbps data rate per channel by PAM 4 modulation Low power consumption: < 8 W per cable

400G Active Optical Cable | For AI and HPC RoCE

Discover high-speed 400G QSFP-DD Active Optical Cables (AOCs) for data centers and HPC. Lightweight, low-power, and supporting up to 100m reach.

Unlocking the Power of 400G Optical Networks: A Deep Dive into

Explore the transformative potential of 400G optical networks, enhancing data center capabilities and enabling scalable, high-speed solutions for modern network demands.

400G Direct Attach Cables & Active Optical Cables

Discover BlueOptics 400G AOC and DAC Cables BlueOptics offers premium 400G Active Optical Cables (AOC) and Direct Attach Copper (DAC) cables, specifically designed for QSFP-DD (Quad

Introduction to Optical Transceivers & The Latest 400G

400G optical transceivers offer unparalleled speed, efficiency, and scalability, making them a cornerstone of modern data communication.

QSFP-DD 400G Ethernet-SR8, Active Optical Cable

The solution consists of two QSFP-DD transceivers connected via an OM4 MultiMode optical cable of different lengths for 400Gbps Ethernet interconnects.

400G, 800G, and Terabit Pluggable Optics:

Silicon photonics technology allows to share laser sources, reducing the number of active components, and enhancing overall reliability compared to more discrete designs

400G OSFP Breakout Active Optical Cables | AscentOptics

Experience advanced data center connectivity with our cutting-edge 400G OSFP Breakout AOC. Engineered for high-speed transmissions, this Active Optical Cable offers exceptional reliability and

10m (33ft) HPE Aruba Compatible 400G QSFP-DD Active Optical Cable

Thin and lightweight AOC cables simplify cable management, enabling an efficient system airflow, which is critical in high-density racks. It is used extensively in cloud and supercomputers due to its low cost,

Contact Us

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