

Distributor High-Speed Optical Connection 400G



Overview

The 400G QSFP-DD active optical cables are designed for use in 400 Gigabit Ethernet links over OM4 multimode fibres, and contain eight multi-mode fibres (MMF) optic transceivers per end, each operating at data rates of up to 53Gb/s. A 400G optical transceiver is a hot-swappable module that sits in a switch, router, or NIC and converts high-speed electrical signals to light (and back again) so traffic can travel over fibre. The most common 400G form factor is QSFP-DD (Quad Small Form-Factor Pluggable, Double Density). Ideal for data centers and high-speed networks. We do not carry stock of this item but can quote upon request. Amphenol is a leading innovator in the development and manufacturing of Active Optical Cables (AOCs), delivering high-performance interconnect solutions. Eoptolink is producing full range of OSFP (Octal Small Form Factor Pluggable) a new pluggable form factor with eight high speed electrical lanes that will initially support 400 Gbps (8x50G or 4x100G). Unitekfiber, a global optical transceiver wholesaler, provides a comprehensive portfolio of MSA-compliant. 400G transceivers, Active Optical Cables (AOCs), and Direct Attach Copper (DAC) cables are critical components for high-speed networking in modern data centers, enterprise networks, and high-performance computing environments.

Article Content

Active Optical Cable Market Size & Trends 2025-2035

The increasing demand for high-speed data transfer, cloud computing, and data center connectivity creates notable opportunities for the

400G Optical Transceivers | OEM Compatibility

The future of networking is here, and Carritech Optics is at the forefront of high-speed optical connectivity. Our optical transceivers are

400G OSFP

Eoptolink is producing full range of OSFP (Octal Small Form Factor Pluggable) a new pluggable form factor with eight high speed electrical lanes that will initially

400G OSFP-RHS FR4 EML CWDM4 2km Optical

400G OSFP-RHS FR4 EML CWDM4 2km Optical Transceiver GIGALIGHT 400G OSFP-RHS FR4 EML CWDM4 is a hot-pluggable optical transceiver module

400G OSFP Ethernet Silicon Photonics

Silicon photonics is gaining traction in high-speed optical modules, particularly in data centers and coherent communication systems. This article explores its

100m (328ft) 400G QSFP-DD Active Optical Cable for

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

400G Ethernet Transceiver: The Ultimate Guide to 400G Optical ...

Discover the world of 400G Ethernet transceivers, their applications in data centers, and how they enhance network performance with high-speed connectivity.

Learn about 400G (400GbE) Ethernet Modules | TE Connectivity

View TE's 400G ethernet modules that are CDFP, COBO, QSFP-DD, and OSFP products. Download data sheets, view the products, and submit a form to receive samples.

400G Transceiver | Superxon

Superxon offers high-speed 400G optical transceiver solutions for data centers and high-performance networks, featuring the 400G QSFP-DD and 400G QSFP112 product families, as well as QSFP

Active Optical Module Market 2025

The staggering expansion of hyperscale data centers globally is creating unprecedented demand for high-speed optical connectivity solutions. With data traffic projected to grow at a compound annual

Active Optical Cables (AOC) | High-Speed Connectors

Active Optical Cables (AOC) Explore Amphenol's high-speed Active Optical Cables designed for data centers, HPC, telecom, and storage systems

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.

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Choosing Between 400G DAC, AOC, ACC, and AEC: A

2. 400G AOC finds widespread application in data centers for high-speed and short-distance connections. Utilizing optical fiber transmission, 400G

Wholesale Optical Transceivers Module | 100G

Shop high-speed optical transceivers from Unitekfiber. We offer 100% compatible 40G, 100G, and 400G QSFP-DD modules for data centers. Expert technical

Optical Transceiver Market Size, Share, Industry

Additionally, the UAE's National AI Strategy 2031 and growing sovereign cloud initiatives are accelerating demand for high-speed 400G and emerging 800G

Understanding 400G Transceivers and Cables: Key Questions

Explore definitions, applications, and data center usage of 400G transceivers and cables. Get knowledge of the new developments in high-speed networking.

Global Optical Transceiver Market Strategic Audit 2026

Hengtong Optic-Electric Co. Ltd. Operational Moat: Dominance in physical layer transmission, particularly G.654.D marine optical fibers and subsea cable deployment. Strategic

400G Optical Transceiver: Cisco 400G Optics, Pricing & Applications

A 400G optical transceiver is defined as a high-speed optical module that supports 400 Gigabit Ethernet (400GbE). It is primarily applied in data center interconnect (DCI), AI clusters, large

Active Optical Cable Market Size & Trends 2025-2035

The active optical cable market is experiencing rapid expansion due to increasing demand for high-speed internet, data center connectivity, and next

The Evolution of 400G, 800G, and 1.6T Optical Modules

With the rapid advancement of AI, HPC, and cloud computing, the demand for high-speed optical modules such as 400G, 800G, and even 1.6T is

Exploring 400G QSFP-DD AOC: Understanding Active

This calls for high data rates and reliable and efficient advanced connectivity solutions. To meet these needs, the 400G QSFP-DD Active Optical

400G OSFP SR4 Optical Transceiver

The 400G OSFP SR4 Optical Transceiver is engineered for superior performance in high-speed data transmission. With a reach of up to 100 meters, this transceiver is perfect for data centers and

400G Optical Transceivers Guide: Key Models,

400G optical transceivers play a crucial role in optical communication. Utilizing PAM4 technology, 400G optical transceivers efficiently use spectral resources

Transforming Data Centers & Mobile Networks with

Optical Transport for Service Provider Transport: Service providers SPs need resilient, high-capacity transport networks, to deliver a wide range of

400G Transceivers and Cables

400G transceivers, Active Optical Cables (AOCs), and Direct Attach Copper (DAC) cables are critical components for high-speed networking in modern data

Understanding the Basics of 400g Fiber Optic Cable

The global acceptance of 400g fiber optic technology further enhances the pace at which data is transmitted, thereby meeting global demand

400G Optical Transceivers | OEM Compatibility

Upgrade Your Network with Carritech Optics" 400G Optical Transceivers The future of networking is here, and Carritech Optics is at the

Optical Distribution Frame (ODF) in Telecom: Types & Uses

An Optical Distribution Frame (ODF) is a specialized enclosure designed to manage, connect, protect, and distribute fiber optic cables in telecom and data networks. Think of it as a

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