

400G of active optical components in stock

Article Overview

Premium 400G Active Optical Cables (AOCs) and Direct Attach Cables are available in stock, supporting QSFP-DD and OSFP form factors for high-speed data center and enterprise applications.

Availability and Stock

Several suppliers currently have 400G AOCs in stock ready for immediate shipment:

- o BlueOptics offers QSFP-DD and OSFP 400G AOCs and Direct Attach Copper (DAC) cables, optimized for high reliability, low latency, and energy efficiency, suitable for both short- and long-distance connections within data centers .
- o FS.com Europe stocks 3m 400G QSFP-DD AOCs compatible with OM4 multimode fibers, capable of 53Gb/s per fiber, and compliant with IEEE 802.3cd and QSFP-DD standards, with items available for shipment within 1 business day .
- o NADDOD provides 400G breakout AOCs, including QSFP-DD to 4x100G QSFP56 and QSFP-DD to 2x200G QSFP56, with lengths from 1m to 50m, enabling efficient network upgrades and space-saving deployments .
- o Vitex LLC offers lab-tested 400G AOCs for QSFP-DD and OSFP interfaces, validated for signal integrity, thermal margins, and multi-vendor interoperability, with US-based support for fast inquiries and short lead times .
- o Network-Switch.com carries a wide range of 400G AOCs with standard lengths up to 30m and custom builds up to 300m, compatible with major vendors including Cisco, Huawei, Juniper, Arista, NVIDIA/Mellanox, Intel, Dell, and HPE .

Key Features

- o High Bandwidth: Supports data rates up to 400Gbps, ideal for high-performance computing, cloud, and AI workloads .
- o Form Factors: QSFP-DD and OSFP interfaces for modern switch and server connectivity .
- o Versatility: Available in various lengths and breakout configurations to connect 100G/200G NICs to 400G switches .
- o Reliability: Designed for low latency, minimal signal loss, and robust physical durability .
- o Energy Efficiency: Optimized for low power consumption, reducing operational costs .
- o Multi-Vendor Compatibility: Works seamlessly across diverse network environments without vendor lock-in .

Applications



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- o Data Centers: High-speed aggregation, spine-leaf architectures, and server-to-switch connections.
- o Enterprise Networks: Core and access network interconnects.
- o High-Performance Computing (HPC): GPU fabrics, AI clusters, and supercomputing environments.
- o Cloud Platforms: Low-latency, high-bandwidth links for hyperscale deployments. These 400G AOCs and DACs are ready for immediate deployment, with many suppliers offering fast shipping and technical support to ensure compatibility and performance in production environments .

BlueOptics 400G AOC and DAC cables offer a powerful and reliable solution for your network requirements. With their high

400GB/S QSFP DD ACTIVE OPTICAL CABLE COMPLIANT TO 26.5625GBD PAM4 MODULATION
Amphenol's QSFP DD to

Segmentally, the demand for optical components, including transceivers and amplifiers, is growing faster than that for silicon

Buy 400G AOCs for Data Centers. QSFP-DD and OSFP Active Optical Cables providing reliable, low-power connectivity for high

High-Speed Active Optical Cables (AOC): 25G to 400G Connectivity Solutions Active Optical Cable (AOC) is an integrated fiber-optic

Lengths are available in stock up to 30 m (98 ft), with custom builds extending to 100 m (328 ft) or 300 m (984 ft) depending on the

Active Optical Components are used to manipulate light through a variety of electrical methods, including adaptive reflection, variable

Jabil Photonic 400G Active Optical Cable (Breakout Cable 2x200G) provides optimized solutions for interconnections inside

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

The 400G transceiver modules are ideal choice for AI data centers, enterprise networks and service

Shop for low price, high quality 400G QSFP56-DD to QSFP56-DD AOC, 400G QSFP56-DD Active Optical



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Cable at

The demand for high-speed datacom optical modules has surged, with shipments of 400G and 800G units exceeding

The 400G QSFP56-DD to 4x 100G QSFP56 AOC breakout active optical cables are designed for 400G to 4x 100G Ethernet links

Experience advanced data center connectivity with our cutting-edge 400G OSFP Breakout AOC. Engineered for high-speed

The 400G-AOC3M QSFP-DD active optical cables are designed for use in 400 Gigabit Ethernet links over OM4 multimode fibers,

The 400G OSFP AOC is a 400 Gb/s parallel active optical cable, which transmits parallel 8x50 Gb/s PAM4 signals over MMF OM3

Web: <https://bssoda.pl>

