

American DAC High-Speed Cable QSFP-DD



Overview

The 400G QSFP-DD Direct Attach Cable (DAC) series provides ultra-high-speed, low-latency connectivity for next-generation data centers, high-performance computing (HPC), and AI/ML clusters. In modern data centers and enterprise networks, Quad Small Form-factor Pluggable (QSFP) cables are everywhere. They connect servers, switches, and storage at speeds from 40G to 400G and beyond. Thanks to their four-lane parallel architecture, QSFP cables combine high bandwidth with compact design. In or between adjacent racks. As a passive cable, it requires no external power, relying on host differential magnetic interference (EMI). Its robust design is ideal for high-performance networking. The plug-and-play functionality simplifies deployment for active optical modules. Available in various lengths, it adapts to. Amphenol's QSFP DD (Quad Small Form Factor Pluggable Double Density) copper cable assemblies double the number of channels from 4 to 8 lanes when compared to the existing QSFP cabling systems, enabling more bandwidth within the same mechanical envelope. QSFPTEK's 400G DAC is fully compliant to.



Article Content

Direct Attach Cable (DAC) Buying Guide

Compare 10G-800G DACs, understand power/latency trade-offs, source 400G/800G QSFP-DD cables, and request OEM specs from verified suppliers.

Optical Transceivers | Network Solutions for AI Cluster,

200G DAC vs AOC Cable: A Practical Selection Guide for Data Centers Learn the differences between 200G DAC and 200G AOC cables, including QSFP56 and

InfiniBand 400G DAC Cable Accortec QSFP-DD 3m - TRINCOS

Get reliable high-speed data transfer with the Accortec 400G DAC Cable. Ideal for data centers, this 3m cable features QSFP-DD to QSFP56 connectors. Shop now!

400G QSFP-DD Breakout Passive Direct Attach Copper

400G breakout passive copper cables provide robust connections for leading high-speed 400Gb/s Ethernet network systems using 400G QSFP-DD to 100G

QSFP Cables Explained 2025: Types, DAC vs AOC,

Learn about QSFP cables: QSFP+, QSFP28, QSFP56, QSFP-DD. Compare DAC vs AOC, speeds, lengths, and use cases in data centers.

QSFP-DD (DAC) Cables

QSFP-DD is a new module and cage/connector system similar to current QSFP, but with an additional row of contacts providing for an eight lane electrical interface. The data rate of each channel can

Ultimate Guide to 400g QSFP-DD Passive Direct Attach

The 400G QSFP-DD Passive Direct Attach Copper (DAC) cable is necessary for high-speed data transmission environments such as data centers

High-Speed Pluggable I/O

Molex empowers customers with scalable high-speed pluggable input-output (I/O) solutions that help address next-generation thermal and performance needs for

800G AEC, 800G OSFP to 800G QSFP-DD Active Electrical Cable,

10Gtek's 800G OSFP to 800G QSFP-DD Active Electrical Cable (AEC) is designed for use in 800 Gigabit Ethernet links, up to 5 meters. The module has 8 independent electrical input/output

200G QSFP56 AOC -Active Optical Cable

200G AOC cables come in QSFP56 and QSFP-DD form factors. QSFP56 uses 50G per channel with PAM4 modulation across four channels, while QSFP-DD

400G Active Direct Attach Cable QSFP-DD InfiniBand – TRINCOS

Enhance your data transfer with our 400G QSFP-DD Active Direct Attach Cable, 2m long for reliable, high-speed connections. Upgrade your setup today!

Direct Attach Cable Market Size, Forecast | Industry

Form-factor migration toward QSFP-DD and OSFP supports 400 GbE and 800 GbE switches, accelerating high-speed cable pull-through. Asia

Direct Attach Cable (DAC) Assemblies

QSFP-DD/QSFP+ features high-speed I/O passive cable assemblies that can deliver data rates as high as 400 Gbps with a variety of lengths or customized

400G QSFP-DD DAC: High-Speed Direct Connect Solution

Innoptical provides high-performance 400G QSFP-DD direct attach cables for high-bandwidth connections in your data center. Experience low latency, seamless integration, and optimized

DAC vs AOC vs Fiber + Optics: Which Should You Choose?

Should I use a DAC cable, an AOC cable, or Fiber + Optical Transceivers? Many buyers assume the solution with the longest transmission distance is automatically the best. In reality,

QSFP-DD TRANSCEIVERS for 400G and 800G

QSFP-DD transceivers double the number of high-speed electrical interfaces in QSFP to achieve 400G Ethernet speeds – and double them again to reach 800G.

Transceiver Types for High-Speed Networking Explained

☐☐ Transceiver Types at a Glance – The Backbone of High-Speed Networking! ☐☐✂ As network infrastructures continue to evolve, selecting the right transceiver module is essential for ...

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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

The Ultimate Guide to SFP, SFP+, SFP28, QSFP+, and QSFP28:

Practical applications see SFP28 transceivers grouped into: Dual fiber, BiDi, CWDM, DWDM, as well as Direct Attach Copper (DAC) cables and Active Optical Cables (AOC).
QSFP+

QSFP-DD Connector System

QSFP-DD Interconnect System's 8-lane electrical interface transmits 28G NRZ, 56G PAM-4 and 112G PAM-4, up to 200, 400 or 800 Gbps aggregate. Backwards

400G QSFP-DD Passive DAC Cable

The 400G QSFP-DD to QSFP-DD Passive Direct Attach Copper (DAC) Cable is a cost-effective solution for short-range, high-speed

InfiniBand Fiber Optic Cable Axiom QDD-400G-DAC 2.5m DAC QSFP-DD

Axiom QDD-400G-DAC 2.5m InfiniBand Fiber Optic Cable for high-speed data transfer. Perfect for data centers and server connections. Order today.

Optical Transceiver: SFP vs SFP+ vs QSFP28 vs QSFP

Compare SFP, SFP+, QSFP+, QSFP28, and QSFP-DD optical transceivers. Learn differences, speeds, and best use cases for data center

QSFP DD Cable Assemblies | High Speed Input Output

Amphenol's QSFP DD (Quad Small Form Factor Pluggable Double Density) copper cable assemblies double the number of channels from 4 to 8

400G QSFP-DD DAC Cable – Direct Attach Copper Cable | High

Description: Cost-effective 400G QSFP-DD Direct Attach Cable (DAC) for switches, routers & servers. Supports 400Gbps, low latency, plug-and-play. Backward compatible with QSFP28/56. Ideal for data

Volex 400G QSFP-DD Passive DAC Cable

As next-gen data centers deploy faster speed in a tighter space, they need high performance cables that reduce power consumption, provide reliable operation and are low cost. Volex's QSFP-DD cable is

Contact Us

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