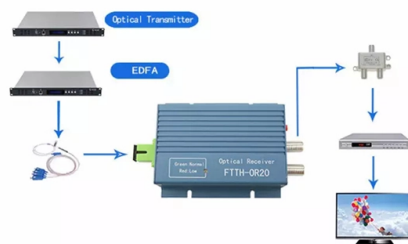


San Marino DAC High-Speed Cable QSFP-DD



Overview

The QSFP passive copper cable assembly features eight differential copper pairs, offering four data transmission channels with speeds up to 56 Gbps per channel, meeting the demands of 400G Ethernet and InfiniBand. The Quad Small Form-factor Pluggable Double Density (QSFP-DD) Interconnect Solution is specifically designed to meet high-density. Volex's QSFP-DD (Double Density) passive direct attach copper cable doubles the number of lanes of the previous 100/200Gbps generation QSFP28/56 from 4 to 8. The cable assembly meets IEEE 802.3cd and InfiniBand standards with substantial signal integrity margin providing high performance and. 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. This article explores the benefits and limitations of 400G QSFP-DD DAC Twinax Cables, including a comparison with 400G AOC vs. 400G optical transceivers with fiber cables. QSFP-DD is a popular form factor in 400G data centers. QSFP-DD Cables (QSFP-DD DAC Cables) by Amphenol Now In-Stock at Speeds up to 800.

Article Content

Oct 07, 2025

Huawei QSFP

Huawei QSFP- price from Huawei price list 2022, Huawei router price, Huawei switch price

Sep 18, 2025

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

Sep 10, 2025

High-Speed Interconnect Technology:

This article provides an in-depth overview of SFP28, SFP56, QSFP28, QSFP56, QSFP-DD, OSFP, as well as DAC, ACC, and AEC.

Nov 19, 2025

64-port 400G QSFP-DD 25.6T Ethernet 2U Switch for AI

N9200-64DC is a high-density 400G RoCE 2U switch with 64x400G QSFP-DD ports, SONiC OS, and Broadcom Tomahawk 4 (BCM56990), providing 25.6Tbps

Feb 10, 2026

QSFP-DD Direct Attach Cables (200G/400G/800G DAC)

Our High-Speed QSFP-DD Cables are QSFP-DD MSA compliant and protocol agnostic for worry-free integration into 200/400/800-Gigabit Ethernet and InfiniBand networks.

Jul 29, 2025

AOC Vs DAC Vs ACC Vs AEC: Complete Guide To

Understand AOC, DAC, ACC & AEC modules in one guide. Compare features, benefits & best use cases to choose the right cable for your data center.

Aug 07, 2025

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

Sep 01, 2025

Understanding QSFP-DD Cable: A Comprehensive

Explore the QSFP-DD cable in our comprehensive guide, covering 400G connectivity, double density technology, and passive copper cable

Jun 24, 2026

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

Oct 03, 2025

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. Includes

May 30, 2026

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 options for

Feb 25, 2026

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

Feb 18, 2026

Direct Attach Cable (DAC) Assemblies

The Quad Small Form-factor Pluggable Double Density (QSFP-DD) Interconnect Solution is specifically designed to meet high-density applications with its efficient

Jun 11, 2026

In-Depth Analysis of QSFP-DD 400G DAC Cables

This article explores the benefits and limitations of 400G QSFP-DD DAC Twinax Cables, including a comparison with 400G AOC vs. 400G DAC vs.

Apr 15, 2026

What Is A DAC (Direct Attach Cable)?

What is a DAC cable? A DAC is a factory-built twinax copper assembly that pairs two pluggable connector modules (for example SFP +, QSFP+, QSFP28, QSFP-DD) with a short-length copper

May 04, 2026

The Ultimate Guide to QSFP Cable: Everything You

Each type of QSFP cable is created according to specific networking requirements to offer flexibility and scalability during high-speed data

Sep 12, 2025

Global 800G DAC High-Speed ??Copper Cable Market Growth 2026

The global 800G DAC High-Speed Copper Cable market size is predicted to grow from US\$ 213 million in 2025 to US\$ 832 million in 2032; it is expected to grow at a CAGR of 23.5% from

Oct 15, 2025

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

400Gb/s QSFP-DD Direct Attach Cable Description Innoptical"s IN-DAC-400G-Dxxx QSFP-DD passive copper cable assembly feature eight differential copper pairs, providing four data transmission

Jun 23, 2026

400G / 800G DAC AEC High-Speed Connectivity Solutions

QSFP-DD – Mainstream interface for 400G deployments OSFP – Designed for 800G and future ultra-high-speed applications QSFP112 – Enables higher bandwidth density and improved

Mar 03, 2026

QSFP-DD Direct Attach Cables (200G/400G/800G DAC)

QSFP-DD Cables (QSFP-DD DAC Cables) by Amphenol Now In-Stock at Speeds up to 800.0 Gbps with 1600 Gbps Coming Soon! Amphenol is the leading QSFP-DD Direct Attach Cable (DAC)

Oct 31, 2025

QSFP28 Transceiver: Complete 100G Connectivity Guide (2026)

QSFP28 transceiver guide covering module types, pricing, compatibility, and deployment. Learn how to choose, deploy, and troubleshoot 100G QSFP28 optics.

Apr 15, 2026

QSFP-DD-400G DAC – Fronova

The QSFP passive copper cable assembly features eight differential copper pairs, offering four data transmission channels with speeds up to 56 Gbps per channel,

Sep 01, 2025

400G QSFP-DD to 4 QSFP28 Active DAC Breakout Cable Datasheet

400G QSFP-DD to 4 x100G QSFP28 Active Direct Attach Copper Breakout Cable (Active Electrical Cable) enables low-power, high-reliability and high-speed interconnections over very thin copper

May 31, 2026

Specification – QSFP-DD

July 11, 2019 – QSFP-DD Hardware Specification for QSFP DOUBLE DENSITY 8X PLUGGABLE TRANSCEIVER – Rev 5.0 May 8, 2019 – Common Management Interface

Contact Us

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