

High-speed DAC cables for IDC data centers QSFP



Overview

6T DAC cables enable scalable, low latency copper links for data center networking with QSFP DD and OSFP breakout support. 6T data rates provide short reach, high bandwidth interconnects for modern Ethernet switching environments. These assemblies use high density interfaces such as QSFP DD and OSFP to enable efficient port utilization in. The Volex DAC cable product family includes cable assemblies with Small Form-factor Pluggable (SFP), Quad Small Form-factor Pluggable (QSFP), and Octal Small Form-factor Pluggable (OSFP) single and double density modules. These passive copper cables offer a cost-effective, plug-and-play solution for short-reach connections. highest-speed applications — today. Ideal for cloud applications, Molex 400 Gbps QSFP-DD cables can handle up to 8 channels of full passive reliability. Among the various 400G interconnect solutions, breakout technology provides unprecedented connectivity flexibility for data centers by converting a single high-speed port into multiple lower-speed ports. 400G QSFP-DD breakout cables, particularly direct-attach copper cables (DACs) and active. DAC high speed cable can be divided into 10G SFP+ DAC high speed cable, 25G SFP28 DAC high speed cable, 40G QSFP+ DAC high speed cable and 100G QSFP28 DAC high speed cable according to the different transmission rate, mainly used for data center short distance direct connection.



Article Content

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

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.

400G QSFP-DD Breakout DAC and AOC for High-Speed Data Center ...

400G QSFP-DD breakout cables, particularly direct-attach copper cables (DACs) and active optical cables (AOCs), are becoming key components for high-speed interconnects in data centers, offering

OMC DAC Cables – High-Performance Direct Attach

Explore OMC's DAC Cables products, direct attach cable designed for high-speed, reliable network applications and ideal for enterprise networks, server connections.

200G/400G/800G/1.6T Ethernet DAC Cables | NADDOD

NADDOD Ethernet DAC cable solutions provide various of data rates (up to 1.6T) and length choices (up to 7m) for short distance connection applications for RoCE networking.

Realsea original factory QSFP 400G DD DAC 1M Direct Attach

SHENZHEN REALSEA OPTOELECTRONIC TECHNOLOGY CO.,LTD is a professional-manufactured supplier of providing high-speed transceivers and DAC & AOC cable products etc. Since our

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

Choosing Mellanox QSFP Cables: A Practical Guide for High-Speed

Understanding the Basics of Choosing Mellanox QSFP Cables Before diving into specific cable types, it's essential to understand what QSFP cables are and why they matter. QSFP stands for Quad

High speed DAC cables and loopbacks

Point-to-point connections for data centers BizLink's industry-leading high speed cable technology enables us to provide superior P2P solutions up to 800 G in state-of-the-art data center applications.

Siemon Unveils High-Density 800G Cable Assemblies for Data Centers

These assemblies are rigorously tested for interoperability, performance, and signal quality at PAM4 speeds and are compatible with OSFP, QSFPDD, QSFP, SFP-DD, and SFP112

LR-LINK | Professional Network Interface Card Solutions

LR-LINK (Linkreal Co., Ltd.) is a leading NIC solution supplier since 2008. We design, manufacture, and deliver professional network interface cards, Ethernet adapters, and custom networking solutions

NVIDIA LinkX Ethernet DAC Cables

NVIDIA ® LinkX ® Ethernet DAC cables are the lowest-cost way to create high-speed 100G-400G links in Ethernet switching networks and for NVIDIA GPU-based systems. DACs are widely used in data

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

