

New DAC High-Speed Cable



Overview

The cutting-edge OSFP DAC cables deliver up to 1600Gbps throughput at ultra-low power consumption, coupled with superior mechanical durability and excellent shielding, making it ideal for hyper-scale data centers, machine learning (ML), and high-performance computing (HPC). The cutting-edge OSFP DAC cables deliver up to 1600Gbps throughput at ultra-low power consumption, coupled with superior mechanical durability and excellent shielding, making it ideal for hyper-scale data centers, machine learning (ML), and high-performance computing (HPC). A Direct Attach Cable (DAC) is a factory-terminated high-speed cable assembly that behaves like "fixed" transceivers with a permanently attached copper or fiber cable. Key characteristics: Media: Copper DAC: shielded twinax conductors (typically 24-30 AWG). AOC: multimode fiber inside a cable with. End-to-end design, manufacturing, and supply-chain orchestration for assemblies—from simple box builds to complex, fully wired electrical cabinets—delivered to spec and certified for any environment. With our technological expertise and advanced manufacturing capabilities, you can save on R&D costs. Whether upgrading your data center or improving your office network, DAC cables provide an affordable and efficient alternative to fiber optics. With support for data transfer rates of up to 100 Gbps and an easy plug-and-play setup, these cables are ideal for high-performance environments. In this, NVIDIA ® Mellanox ® LinkX ® InfiniBand DAC cables are the lowest-cost way to create high-speed, low-latency 100G/EDR and 200G/HDR and 400G/NDR links in InfiniBand switching networks and for NVIDIA GPU-accelerated artificial intelligence end-to-end systems. These assemblies feature dual-ended connectors, lock-to-mating parts, and 30AWG Twinax, Temp-Flex Twinax, or round wires/cables. Molex High-Speed Cable Assemblies. What is DAC (Direct Attach Cable)?

DAC is a passive copper cable that requires no external power or electronics. It's id...

Article Content

Mixed-signal and digital signal processing ICs | Analog

Analog Devices is global leader in the design and manufacturing of analog, mixed signal, and DSP integrated circuits to help solve the toughest engineering

Hilink Optics QSFP QSFPDD OSFP 10G SFP

If you have any questions about Hilink Optics CWDM DWDM QSFP QSFPDD OSFP 10G SFP transceivers, we will give the professional solutions to you.

FS Launches Cutting-Edge 1.6T OSFP Cable: Setting a New ...

FS has unveiled its latest innovative 1.6T OSFP DAC cables, which deliver up to 1600Gbps throughput at ultra-low power consumption, ideal for hyper-scale data centers,

High Speed Cables Market Forecast, Trends, Scope by

The high speed cables market size is projected to reach US\$ 24.99 billion by 2031 from US\$ 12.90 billion in 2024. The market is expected to register a CAGR of

NVIDIA High-Speed Cables: 400G/800G DAC AOC

Comprehensive guide to NVIDIA 400G and 800G high-speed cable solutions. Compare DAC vs AOC technologies, understand deployment best

BlueOptics Transceivers and DAC Cables for Extreme Networks 7000

Extreme Networks 7000 Series switches are used in high-speed aggregation, core, and data center networks. For this article, the 7000 Series includes Extreme 7520 and Extreme 7720 models only.

2026 DAC Guide: High-Speed Direct Attach Cables for

By 2026, high-speed Direct Attach Cables (copper DACs and AOCs) remain central to efficient data center design: Passive and active DACs deliver

Molex High-Speed Direct Attach Cable (DAC)

Molex High-Speed Direct Attach Cable (DAC) Assemblies deliver data rates as high as 100Gbps with cable lengths ranging from 0.50m to 5m.

2026 DAC Guide: High-Speed Direct Attach Cables for

Learn how passive DACs, active DACs, and AOCs compare to optical modules for 10G-400G links. Using direct attach cables in ToR,

How to Choose Between DAC, ACC, AEC, and AOC in the 1.6T Era?

Zhaolong's 1.6T DAC, ACC, and AEC solutions are all built on the company's self-developed HSC-60 Series high-speed twinax cables. To address different transmission distances,

DAC vs AOC Cables: The Complete Data Center Guide

Discover the differences between DAC, AEC, and AOC cables for data centers. Compare length, speed, power, cost, and use cases with simple tables

Direct Attach Copper (DAC) Cables

High-speed Volex Direct Attach Copper (DAC) cables deliver reliable, energy-efficient data transfer for data centers. Customizable, tested and ready to deploy.

DAC Cables | 100G High-Speed Connectivity

Unlock 100G performance with BizLink's DAC cables. Our direct attach cable solutions, including QSFP28, ensure low loss & high-speed data for demanding data centers.

Internet Speed Test | Check Download & Upload Speeds

Check your internet speed with our simple and fast speed test. Get detailed results for your download speed, upload speed, and personalized insights into your

NVIDIA Mellanox LinkX InfiniBand DAC Cables and Splitters

NVIDIA ® Mellanox ® LinkX ® InfiniBand DAC cables are the lowest-cost way to create high-speed, low-latency 100G/EDR and 200G/HDR and 400G/NDR links in InfiniBand switching networks and for

HTF DWDM equipment,OTN Solution,QSFP28 OSFP

MPO Trunk Cable MPO-LC Breakout Cable Direct Attach Twinax Cables (DACs) 100G 40G DAC 400G 200G DAC 25G 10G DAC 800G DAC Active Optical

High-Speed Copper Interconnects for Modern Data

High-speed copper cables— DAC, ACC, and AEC —each serve a unique purpose in building scalable, efficient, and high-performance data center

What Is a Direct Attach Copper (DAC) Cable?

Learn what DAC cables are, the difference between passive and active types, and why they're a cost-effective, low-latency networking solution.

Efficient and High-Speed DAC Cables

For 40 Gbps connections, a QSFP+ DAC cable is recommended, while QSFP28 DAC cables are suitable for higher bandwidth needs, supporting speeds up to 100 Gbps. Compatibility: Always verify

DAC vs AOC Cables: The Complete Data Center Guide

Breakout DAC or AOC cables split one high-speed port into multiple lower-speed ports (e.g., 100G QSFP28 → 4 × 25G SFP28). Passive DAC

UGREEN 25837 Magnetic USB-C to Aux 3.5mm Hi-Res Audio DAC

Hi-Res Audio with 32bit/384kHz DAC Chip: The built-in smart DAC chip in USB C to 3.5mm audio adapter supports up to 32bit/384kHz. With superb and stable decoding performance, it provides Hi

Data Center High-Speed DAC Cables – CablesTEC

High-Speed Direct Attach Copper Cables Learn about direct attach copper (DAC) cables and splitters for GPU-accelerated computing. CablesTEC's Direct Attach

Wiley Online Library

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

DAC Cable Selection Guide: SFP28, QSFP28

SFP28 passive DAC (≤3m) costs ~\$15-25 per link vs \$50-80 for AOC. Compare 10G/25G/40G/100G DAC types, breakout cables, and a 5

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://sphplantsales.co.za>

Email: info@sphplantsales.co.za

Phone: +27 64 827 3915

Address: Unit 9, Highveld Technopark, 43 Atlas Road, Johannesburg, 2196, South Africa

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