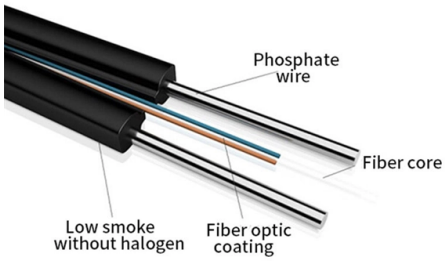
Price list for DMLCFP8 for data center interconnects



Overview

Arista QDD-400G-DR4 Compatible 400GBASE-DR4 400G Medium Distance Transmission for AIDC/DCN Interconnection Stability 400G QDD DR4 delivers up to 500m trans.

Key Takeaways

Pricing for DMLCFP8 connectors is not publicly listed; it is typically obtained through direct manufacturer or distributor quotes. OverviewDMLCFP8 connectors are high-speed, high-density interconnects designed for data center interconnect (DCI) applications, supporting multi-lane connectivity for AI, HPC, and hyperscale environments. These connectors are engineered to handle high aggregate data rates, maintain signal integrity, and optimize thermal performance in dense rack deployments (Molex, Zhaolong).

They are compatible with direct-attach copper (DAC), active electrical cables (AEC/ACC), and optical modules, providing flexibility for various interconnect architectures.

Factors Affecting Pricing

The cost of DMLCFP8 connectors can vary significantly based on: Lane count and configuration (e.g., 8-lane vs 16-lane)Cable type (DAC, AEC, ACC, or optical)Length of the cable assemblyVolume and contractual agreements with suppliersCustomization requirements such as shielding, EMI protection, or ruggedized designs High-performance connectors for AI-driven data centers often command a premium due to their low-latency, high-bandwidth, and thermal management capabilities.

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How to Obtain Pricing

Since DMLCFP8 connectors are specialized components, the most reliable way to obtain pricing is: Contact the manufacturer directly (e.g., Molex, Zhaolong) via their sales or distributor channels. Request a quote specifying the required configuration, lane count, cable type, and quantity. Engage authorized distributors who may provide volume discounts or bundled pricing for data center deployments.

Consider total cost of ownership, including installation, maintenance, and potential future upgrades, as these connectors are often part of scalable, modular interconnect systems. Additional ConsiderationsDMLCFP8 connectors are designed for short-reach, high-density interconnects (typically 2–3 km or less for single-mode fiber in DCI applications). They are optimized for thermal management and signal integrity, which is critical in AI and HPC clusters where high data rates generate significant heat.

For large-scale deployments, manufacturers may offer customized solutions or bundled pricing for multiple racks or data halls. In summary, while public price lists for DMLCFP8 connectors are not available, contacting the manufacturer or authorized distributors with your specific requirements is the standard approach to obtain accurate pricing and ensure compatibility with your data center interconnect infrastructure.

Article Content

Arista QDD-400G-DR4 Compatible 400GBASE-DR4

400G Medium Distance Transmission for AIDC/DCN Interconnection Stability 400G QDD DR4 delivers up to 500m transmission distance, supporting cross-cabinet

Data Center & AI Portfolio | TE Connectivity

TE Connectivity (TE) has a broad power connector portfolio including busbar power distribution, power supply interconnects, wire-to-board and backplane power solutions offered to data center & AI

The Evolution of Data Center Interconnects

For the sake of this article, let''s think broadly about three categories of data center interconnects based on their reach and location with relation to the data center

Pluggable I/O Connectors and Cages

In network interfaces and wireless base stations, our quad small form factor pluggable (QSFP) connectors add four channels in one interface, with data rates up to 28 Gbps per lane.

Cisco Compatible Optical Modules Catalog

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CE standards. - **Wide Operating Temperature Range:** Options available for commercial (0 to 70°C) and industrial (-40 to 85°C) environments, suitable for both controlled data centers and outdoor

Data Center Cable Solutions

Amphenol''s revolutionary QSFP to 4 x SFP+ Splitter Cable offers IT professionals a cost-effective interconnect solution for merging 40G QSFP and 10G SFP+ enabled host adapters, switches and

DCI Optical Modules | Delivering high bandwidth over distance

Explore DCI Modules Marvell offers a portfolio of DCI modules designed to efficiently transmit data over regional fiber networks. Using Marvell coherent DSP technology and the field-proven Marvell silicon

All AI Data Center Interconnects Will Be Optical Within

It developed its own OCS and deployed it in all of its data centers at the top of the switching hierarchy to replace traditional electric switches, achieve

Fiber Optic Cables for data center cabling infrastructure.

AFL''s MicroCore® cable family offers one of the most diverse and highest fiber density product offerings in the industry. MicroCore® cabling forms the backbone of high-tech networks installed in

Solving Cooling Interconnects for Next-Gen Data Centers and AI

To improve cooling capacity and reduce long-term capital expenditure, the market is turning to alternative methods to air-cooling. Liquid and immersion cooling can be implemented for all

Data Center Interconnect Market Size, Share & Trends

The rapid expansion of hyperscale data centers and colocation facilities is a major driver for the data center interconnect market growth. As global cloud providers, internet content companies, and

800G Data Center Interconnect Guide: DAC, AEC, AOC & Optical

Engineer''s guide to 800G cables: DAC, ACC, AEC, AOC, DR8 transceivers. Distance zones, power budgets, TCO, NVIDIA platforms, 1.6T migration. Updated 2026.

Optical Interconnect in AI Data Centers Market Forecast

Optical Interconnect in AI Data Centers Market Size, Share, Trends and Forecast 2035 The global optical interconnect in AI data center market is

Products

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The solution simplifies transport between data centers by replacing stand-alone optical transponders with the Cisco ® portfolio of standardized coherent pluggable modules, which can be

Data Center Interconnect Market Size & Share 2026

The global data center interconnect market was estimated at USD 11.8 billion in 2025. The market is expected to grow from USD 12.9 billion in 2026 to USD 35.9 billion in 2034, at a CAGR of 13.6%.

Data Center Interconnect

Boost Your Data Center Connectivity With AFL''s Data Center Interconnect (DCI) Solutions. Seamlessly link multiple centers for enhanced productivity and reliable performance. Choose from connectorized

Semtech to Showcase New Linear Pluggable Optical Links for AI and

It also manufactures Indium Phosphide optoelectronic devices for optical transceivers used across data center interconnects and intra-data center interconnects.

Two Startups Are Bringing Fiber to the Processor

The startup''s first product, expected in 2023, will not reach all the way to the processor but will aim to connect servers within a data-center rack.

Contact Us

Continue your research online:

Website: https://fdsoluciones.es
Technical inquiry: https://fdsoluciones.es/project-enquiry.html

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

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