Price list for QSFP28 co-packaged optics for data center interconnects

Article Overview

QSFP28 modules for 100G data center links typically range from $150 to $600 per module, depending on type, reach, and vendor.

Price Ranges by Module Type

• SR4 (Short-Range, multimode, up to 100m on OM4 fiber): $150–$250 per module. Ideal for intra-rack or nearby rack connections, offering the most economical solution for short-reach links .
• LR4 (Long-Range, single-mode, up to 10 km): $400–$600 per module. Suitable for building-to-building or campus-wide interconnects, using four CWDM wavelengths over duplex LC fiber .
• CWDM4 (Single-mode, 2 km–2.5 km): $350–$500 per module. Optimized for medium-range data center interconnects with cost-effective wavelength multiplexing .
• ZR4 (Extended Reach, single-mode, up to 80 km): $800–$1,200 per module. Used for long-haul metro or telecom links, less common in standard data centers .

Factors Affecting QSFP28 Pricing
• Engineering and Testing Costs: Modules undergo design verification and reliability testing, including temperature cycling, moisture resistance, and shock tests. These costs are reflected in the final price .
• Bill of Materials (BOM): Chipsets, optical components, and mechanical casings contribute significantly to cost ....

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