

Price list for 100G Passive Optical Network for Data Center Interconnection



Article Overview

100G PON solutions for data center interconnects range from \$50 for short-reach active optical cables to \$20,000+ for long-reach DWDM coherent transceivers, depending on technology, reach, and vendor.

Typical 100G Transceiver and Cable Pricing

- Short-Reach QSFP28 Active Optical Cables (AOC): 1-5 meters typically cost \$50-\$500, depending on length and vendor .
- Passive Copper Cables (DAC): 1-3 meters are generally \$50-\$150, suitable for very short interconnects within racks .
- 100GBASE SR4 QSFP Transceivers: For OM4 multimode fiber, 100 meters reach, prices range around \$400-\$1,000 per unit .
- 100GBASE LR4 QSFP Transceivers: Single-mode fiber, 10 km reach, typically \$1,000-\$2,500 .
- 100GBASE CWDM4 QSFP Transceivers: Single-mode fiber, 2 km reach, prices are around \$500-\$1,200 .
- Long-Reach DWDM/Coherent 100G Transceivers: For metro or long-haul links up to 80 km or more, prices can range from \$2,000 to \$20,000+ depending on vendor and features .

Vendor Options



Article Content

100G Optical Module Solution for Data Center

As existing large-scale cloud service data centers have already been upgraded to 100G, more servers and switches need to be

Industry-First 100G ZR QSFP28-DCO with High Optical Output Power

Mar. 28, 2025. Coherent announces general availability of the industry's first 100G ZR QSFP28-DCO featuring 0dBm optical output

MTP Elite Fiber Cables for 10G, 40G, and 100G Networks

MTP® Elite and MPO Cables from M2 Optics offer reduced insertion loss and maximum performance specifications for advanced

100G DCO QSFP28 ZR, Coherent Optical Module for Data Center ...

C-LIGHT introduces its 100G DCO ZR optical module based on the QSFP28 form factor — a cost-effective, low-power, plug-and-play

100G QSFP28 Transceiver Modules | Optical Transceivers

The 100G QSFP28 module solution provides high-performance 100GbE connectivity for data centres, enterprise core & distribution

Price list for new optical line terminals for data center interconnection

Over the past several years, data center network architectures have come a long way with several optical and electro-optical

100G QSFP28 Data Center Interconnect (DCI) □ NADDOD

NADDOD 100G QSFP28 Data Center Interconnect (DCI) transceivers deliver ultra-high bandwidth and long-reach transmission up to

100G Passive Optical Network (PON) Market Report 2026

The 100G Passive Optical Network (PON) Market, valued at USD 2.34B in 2026, is projected to reach USD 6.47B by 2030, growing

Maximizing Network ROI: A Total Cost of Ownership Analysis of 100G

Network architects face a fundamental challenge when upgrading spine-leaf fabrics: the 100G data center switch cost extends far

100G QSFP28 Transceivers for High Performance

Upgrade Your Network with 100G Optical Transceivers High Performance, Fully Compatible, and Ready to Ship High-Performance

Optical Transceiver Pricing: Cost Ranges by Speed and Type

See practical price ranges for 1G-100G optical transceivers, DAC/AOC options, and why cost varies by speed, reach and technology

Next-Generation Long-Reach 100G Passive Optical Networks with ...

This work proposes a future 100G intensity modulation and direct-detection passive optical network with long optical reach using a

Contact Us

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