

Price-tunable optical module QSFP28



AI Overview

QSFP28 optical transceiver modules typically range from \$35 for basic short-reach third-party models to \$780 or more for OEM long-reach modules, with most compatible LR4 modules around \$280 in 2026.

Typical Price Ranges

- Short-Reach (SR4) Modules:** Prices can start as low as \$35 for common third-party modules, suitable for distances up to 100 meters on multimode fiber.
- Long-Reach (LR4) Modules:** OEM LR4 modules can cost \$780 per module, while compatible third-party LR4 modules are often available for \$280 each, supporting 10 km single-mode fiber.
- Extended Reach (ER4/ZR4) Modules:** Prices increase with reach, with ER4 and ZR4 modules (up to 80 km) generally costing more due to higher-grade optics and engineering requirements.

Factors Affecting Price

- Vendor Type:** OEM modules are typically more expensive due to branding, warranty, and vendor support, while third-party compatible modules offer significant cost savings.
- Engineering and Testing:** Costs include design verification, reliability testing, and qualification processes, which are reflected in the final price.
- Bill of Materials (BOM):** Chipsets, optical components, and mechanical housing contribute to module cost.
- Production and Overhead:** Labor, equipment, and operational expenses, along with profit margins, influence pricing.
- Purchase Volume and Business Strategy:** Bulk orders or strategic pricing promotions can reduce per-unit cost.

Practical Considerations

- Power Consumption:** QSFP28 modules typically consume 3.5W–4.5W, depending on reach and design.
- Compatibility:** Ensure modules match your switch platform and optical specifications; third-party modules may require verification for full interoperability.
- Total Cost of Ownership:** Consider shipping, customs, spares, and cabling when budgeting for deployment.

In summary, QSFP28 module prices vary widely based on reach, vendor, and specifications, with third-party modules offering substantial savings over OEM options while maintaining similar performance for most applications.

Article Content

Huawei OPTICAL TRANSCEIVER Price

The Best Huawei Products Price List Checking Tool ICT-Router, Switch, Optical Transmission & Access Network

QSFP28 100ZR Coherent Tunable DWDM Transceivers

The QSFP28 100ZR Coherent Tunable DWDM Transceiver is suited to provide Access/Edge networks with 100G data rates in DWDM or grey links

Arista Optics Modules and Cables

A Broad range of 400GE optics, AOCs and cables, in both OSFP and QSFP-DD form-factors 400G-ZR optics, with pluggable line-system for simple, cost effective DCI Flexibility of media and interface

Datacom Transceivers Now, Next, and Beyond

Purpose-built power-optimized tunable laser Highly integrated silicon photonics PIC World's first Digital Coherent Optics (DCO) module in QSFP28 form factor 100G capacity, 300 km reach Based on

Cisco QSFP28 100G ZR Digital Coherent Optics Module

The module is compatible with widely deployed ports of QSFP28 100G and 100GBASE ER CAUI-4 client interfaces. Its maximum operating power range is 5.5W for C-temperature and 6W for industrial

QSFP28 PAM4 Optical Modules: A New Choice for High-Speed ...

Simultaneously, QSFP28 PAM4 optical modules, which support tunable wavelengths, can flexibly configure links according to network resources, quickly deploying high-bandwidth leased lines and

100G DWDM QSFP28 Transceiver Modules | Optical

FS 100G DWDM QSFP28 optical transceiver module solutions offer a full range of QSFP28 modules 80km reach. Purchase from nearby warehouses. 30-Day Free

Ciena NTK538DR WLAi MOTR 4×QSFP28 Module for

□□ 4× QSFP28 Client Ports – Delivers 400 GbE aggregate capacity for high-density client aggregation and DCI. □□ Coherent DWDM Line Interface – Supports

Juniper SFP

Juniper SFP- price from Juniper price list 2022. Checks Juniper MSRP Price on IT Price

Inside a 100G SR4 QSFP28 Module A Quick Teardown

100G 3M DAC QSFP28 Teardown 3 As one can see, there is a lot more going on in the optical module than the DAC. Final Words A 100G SR4

100G QSFP28 Transceiver Modules | Optical

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

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Breakout Reference Breakout cables allow a single high-speed port to connect to multiple lower-speed ports. Passive fanout cables split parallel fiber physically. WDM demux modules split wavelengths

Coherent Announces Industry's First 100G ZR QSFP28

The Coherent 100G ZR QSFP-DCO is the industry's first dual laser QSFP28 digital coherent optics (DCO) module for single fiber, bi-directional

QSFP28 DCO 100G Coherent Optical Transceiver

The client side adopts a 100G QSFP28 LR4 optical module, and the OTU unit

Leading Optical Transceiver Manufacturer since 2009-FIBERTOP

100GBASE-ER4 QSFP28 100G 1310nm 40km Optical Transceiver Module FIBERTOP
40G QSFP+ EZR4 DWDM 100km LC Optical Transceiver 10G SFP+ DWDM ZR+ 100km
100GHz Grid C-Band

QSFP28 Price Guide 2026: 100G Transceiver Costs

The price of a QSFP28 module depends on the module type, reach, coding, temperature grade, warranty, order quantity, and supplier. Compatible

100G QSFP28 Module Cost: Pricing Guide & Factors

Discover 100G QSFP28 module pricing. Learn key cost factors, considerations, and real examples to make informed purchasing decisions for

100G QSFP28 Optical Transceivers

The 100G QSFP28 transceiver is a high-speed optical module used in data communication networks. It is designed to transmit and receive data at a rate of 100 gigabits per second (Gbps).

Transforming Edge Networks Expansions | Coherent

The DSP is paired with a highly efficient silicon photonics optical front-end, purpose-built driver, and TIA, as well as a power-optimized tunable laser.

100G QSFP28 Optical Transceivers | Transceiver Modules

Buy online compatible 100G QSFP28 transceivers at QSFPTEK for high-performance 100GbE connectivity. QT QSFP28 includes 100GBASE-SR4/LR4/ER4/ZR4, from 100m to 80km.

QSFP28 DCO 100G Coherent Optical Transceiver

100G Coherent QSFP28 DCO Transceiver Module (DWDM C Band 50GHz Grid: 191.15-196.1GHz) The Coherent QSFP28-100G-DCO-ZR QSFP28 Digital

RAD's Coherent-Enabled EADs:

Achieving Multi-Vendor Environments Through Standardization RAD's ETX-2i manages coherent pluggables through standard interfaces: SFF-8636 for QSFP28 100ZR/ZR+ (with CMIS on some

Cisco QSFP28 100G ZR Digital Coherent Optics Module

The QSFP28 100G ZR can cost effectively extend 100G links to 80km on any fiber type, and is a cost-effective migration option of multiple 10G wavelengths to 100G.

QSFP28 100G Tun. DWDM 0dBm ZR 0-70°C, TOF, SFF-8636

An integrated tunable optical filter (TOF) suppresses the out-of-band OSNR. A tapped monitor diode is used to control the optical output power. The transceiver is compliant with the QSFP28 Multisource

Contact Us

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