

Price quote for multi-channel parallel optical modules



Article Overview

Multi-channel parallel optical modules typically range from \$35 to \$780 per module, depending on speed, reach, and vendor.

Typical Price Ranges

- Short-reach modules (SR4, 10-100G): Compatible third-party modules can cost as low as \$35-\$60, while OEM-branded modules may range from \$100-\$300 per module .
- Long-reach modules (LR4, ZR4, 100G): OEM modules can reach \$780 or more, whereas compatible alternatives may be available for \$280-\$400 per module .
- Lower-speed modules (1G-25G): Prices vary widely; generic SFPs can be \$5-\$25, while branded or industrial-grade modules may cost \$60-\$300 .

Factors Affecting Cost

- Vendor and Brand: OEM modules (Cisco, Juniper, HPE) carry a premium due to warranty, support, and guaranteed compatibility, while third-party modules offer significant cost savings .
- Module Speed and Channel Count: Higher-speed modules (40G, 100G, 400G) and multi-channel parallel designs are more expensive due to complex optics and electronics .
- Reach and Fiber Type: Single-mode long-reach modules cost more than short-reach multimode modules because of specialized lasers and precision optics .
- Manufacturing and Materials: Costs include lasers, silicon chips, cleanroom assem...

Article Content

Optical Modules Market Research Report 2034

The optical modules market was valued at \$14.8 billion in 2025 and is projected to reach \$39.6 billion by 2034, growing at a CAGR of

Fiber Optic Transceiver Modules | Optoelectronics | DigiKey

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LCC Series Parallel Optical Transceiver Module

The LCC series parallel optical transceiver module is designed for short-distance high-speed data communication and parallel optical

OPTICAL MODULE Price

Enterprise Network Refresh: Maximize Budget, Ensure Timely Delivery View stock Quote Cisco Released: April 8, 2025 ... « 1 »

What factors influence 400G optical transceiver modules price

Discover the key factors that drive 400G optical transceiver pricing—from form-factor and component costs to market dynamics and

Multi-channel parallel optical transceiver module

The present disclosure provides a multi-channel parallel optical transceiver module. The disclosed optical transceiver module/device

Parallel Optic Modules

Avago's Parallel Fiber-Optic Modules feature two product versions: 12-channel, SNAP12 MSA-compliant transmitter (Tx) and

Parallel Optics and WDM Optics in High-speed Optical Modules

Parallel optics transmission For parallel optics transmission, parallel optical modules at both ends of the link contain

Multi-channel parallel optical receiving device

The optical signals are divided into multi-channel optical signals in parallel. The top surface of an output end of the arrayed

Multichannel parallel data link for optical communication

The MODLINK (multichannel parallel optical data link) system is described. It provides 12 parallel data channels; one channel may

Multi-channel parallel optical communication module and optical ...

Abstract A multi-channel parallel optical communication module includes a casing having an airtight cavity, an optical communication

InterBOARDTM 40 Gbps SNAP 12 Parallel Fiber Optic Transmitter

Product Summary: The SNAP12 Transmitter and Receiver modules enable high performance multi-channel optical links designed for

VCSEL-based parallel-optical modules for optical interconnects

Several different kinds of VCSEL-based parallel-optical modules have been developed in Furukawa Electric for optical interconnects.

200G/400G/800G Optical Transceiver Modules | FiberMall

200G/400G/800G optical module features up to 40km transmission distances using QSFP56/QSFP-DD footprints for data center

Optical Components and Modules

A wide selection of WDM components ranging from thin-film DWDM and CWDM filters with different channel spacings, customized

Designing a Module for High-Speed Optical Communication

The ultimate goal for all-optical connectivity with an ultra-high F5G bandwidth is to increase transmission rates. Optical modules —

Parallel Optical Transceivers & AOC - CablesTEC

Note: Parallel high-speed optical modules are transmitted through multiple parallel optical fibers, each optical fiber independently

POB Series Single-Mode 4-Channel Parallel Optical Transceiver Module

The POB series single-mode parallel optical transceiver module is designed for long-distance high-speed data communication and

Parallel optical interface

A parallel optical interface is a form of fiber-optic technology aimed primarily at communications and networking over relatively short

100G QSFP28 Transceiver Modules | Optical Transceivers

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Parallel optical module or ordinary optical module

In addition, duplex optical modules can also support single-mode fiber operation, which is a cost-effective solution for

Multi-channel optical module based on PLCC packaging

This paper studies the multi-channel digital Optical module based on PLCC packaging, and designs and manufactures a small 4

POB24 Series Parallel Optical Transceiver Module

The POB24 series parallel optical transceiver module is designed for defense communication command systems and subsystems,

Packaging for a 40-channel parallel optical interconnection module

NTT is currently working on developing a high-throughput interconnection module that is both compact and cost effective. The

Optical Modules Supplier & Manufacturer

HCH is a leading optical modules manufacturer & supplier. We offer a wide range of SFP, SFP+, QSFP28 and other optical

POB Series of Optical Modules

[Optical fiber classification] Optical module pigtails with 12 or less channels are divided into flat fiber and round fiber. The flat fiber

Contact Us

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