Price of 200G optical receiver

Overview

200G/400G/800G Optical Transceiver Modules | FiberMall200G/400G/800G optical module features up to 40km transmission distances using QSFP56/QSFP-DD footpri.

Key Takeaways

The price of a 200G optical receiver typically ranges from $800 to $2,500 per module, depending on type, distance, and manufacturer.

Overview200

G optical receivers, such as QSFP56 SR4, FR4, DR4, and LR4 modules, are high-speed transceivers used in data centers, cloud networks, and 5G infrastructure. Prices vary significantly based on: Form factor: QSFP56 modules are generally less expensive than QSFP-DD modules due to simpler design. Transmission distance: Short-range multimode modules (SR4, up to 100m) are cheaper, while long-range single-mode modules (FR4, LR4, up to 2–10 km) cost more.

Manufacturer and brand: Leading vendors like Huawei, InnoLight, and Coherent may charge premium prices, while third-party suppliers offer more competitive rates. Special features: Enhanced versions with liquid cooling or advanced FEC support can increase cost. Typical Price RangesShort-range (SR4, 100m MMF): $800–$1,200 per module.

Medium-range (FR4, 2 km SMF): $1,200–$1,800 per module. Long-range (LR4, 10 km SMF): $1,800–$2,500 per module.

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Market Trends

The 200G optical module market is growing rapidly, driven by data center expansion, 5G deployment, and cloud computing demands. Market value was $2. 625 billion in 2024 and is projected to reach $4.

991 billion by 2032, reflecting a CAGR of 9. 9%. This growth is contributing to increased availability and competitive pricing, especially for standard QSFP56 modules.

Conclusion

For a 200G optical receiver, expect to pay $800–$2,500 depending on the module type, distance, and vendor. Short-range SR4 modules are the most cost-effective, while long-range LR4 or FR4 modules command higher prices. For precise pricing, contacting suppliers like HEYOPTICS, Gearlink, or HRI Connect is recommended.

Article Content

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 interconnect applications - FiberMall

200G Optical Transceivers | High-Speed QSFP56 Modules for Data

The most common 200G transceiver form factors are QSFP56 and QSFP-DD. QSFP-DD offers backward compatibility with 40G/100G ports, while QSFP56 supports higher thermal efficiency for

200G Optical Transceivers: High-Density QSFP56 & QSFP-DD Modules

Shop high-performance 200G optical transceivers including QSFP56 and QSFP-DD form factors. Fully compliant with 200GBASE-SR4, FR4, and LR4 for AI data centers. Custom compatibility.

200G Optical Transceivers Collection – HRI Connect GmbH

QSFP-DD 200G family are new generation of 200G transceiver modules solution based on QSFP form factor.

200G QSFP56 QSFP-DD Transceiver | FiberMall

Currently, the 200G QSFP56 SR4 and FR4 transceivers are available in the market from only a few suppliers. Fiber Mall can provide you 200G transceivers that with sufficient supply and excellent

200G Optical Transceivers | High-Speed QSFP56 Modules for Data

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Boost network performance with 200G optical transceivers. Designed for data centers, 5G, and cloud infrastructure, our QSFP56 modules deliver low latency, high reliability, and seamless compatibility.

200G Optical Module Market Key Trends, Growth and ...

Dynamic innovation and strategic positioning define the competitive environment of the 200G Optical Module Market focus on differentiate themselves through price strategies, product

200G Optical Module Market Research Report 2034

The 200G Optical Module market was valued at $2.6 billion in 2025 and is projected to reach $5.73 billion by 2034, growing at 9.2% CAGR, driven by cloud expansion and 5G infrastructure modernization.

Keysight Unveils Optical Reference Transmitter to Validate Next ...

Keysight has announced the launch of its Optical Reference Transmitter which enables testing of 200G-per-lane optical receivers and research into 400G-per-lane transmission.

Nvidia Invests US$4 Billion in Photonic Technology

As photonic technology becomes more integral to artificial intelligence (AI) computing infrastructure, the demand for optical parts has grown to meet fabrication needs. In response, Nvidia,

Reference Transmitter: N7718C | Keysight

Single-mode fiber optical reference transmitter enables 200G-per-lane design validation and 400G-per-lane research.

QSFP-200G-SR4 Arista Compatible 200G QSFP56 100M module | EDGE Optical ...

QSFP-200G-SR4 Arista Compatible 200G QSFP56 Transceiver, 100M over MMF. Explore our portfolio of Arista compatibles - covering price, datasheet&specs.

Keysight''s New Optical Reference Transmitter for 200G/Lane Testing

Keysight Technologies introduced its new N7718C Optical Reference Transmitter for testing optical receivers that support 200G-per-lane transmission. The N7718C Optical Reference

100G/200G/400G Coherent Optical Receivers

Coherent Optical Receivers are designed for 100 Gb, 200 Gb and 400 Gb fiber optic communication systems. Optical Dual Polarization QPSK (DP-QPSK) and 16 QAM modulation formats are detected

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200G QSFP56 LR4 200G QSFP56 LR4 price and specs ycict

Currently, there are two main types of 200G optical modules: 200G QSFP56 and 200G QSFP-DD. First, as an evolution of the 40G QSFP+ and 100G QSFP28, the QSFP56 (Quad 50 Gigabits Small Form

A 200Gb/s Low Power DSP-Based Optical Receiver and Transmitter

Fully integrated low power 200Gb/s DSP based optical transmitter and receiver ICs with transmitter chip incorporating fully integrated laser drivers and receiver chip with fully integrated Transimpedance

200G QSFP56 QSFP-DD Transceiver | FiberMall

200G QSFP56 transceiver introduction and QSFP56 vs QSFP-DD The 200G QSFP56 optical module is an upgraded version of the 40G QSFP+ and 100G QSFP28 optical modules, which are specifically

What is the difference between 100G, 200G, 400G, and 800G Optical

At the receiving end, the optical signal is converted into an electrical signal. The transmission rate of the 400G optical module is 400G, which was born to adapt to the network

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Technical inquiry: https://bagyou.es/project-enquiry.html

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

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