

Price of optical receivers



Article Overview

Optical receivers typically range from \$5 for basic compatible 1G modules to over \$120 for OEM-branded or specialized high-performance units.

Typical Price Ranges

- 1G SFP Receivers: Generic or compatible modules are priced around \$5-\$25, while OEM-branded units from vendors like Cisco, HPE, or Juniper can cost \$60-\$120+ depending on specifications and industrial-grade features .
- 10G SFP+ Receivers: Compatible 10G SR modules often sell for tens of dollars, whereas OEM or long-reach (LR/ER) modules can reach hundreds of dollars .
- Higher-Speed Modules (25G, 50G, 100G): Prices increase with speed and distance capabilities, with QSFP28 and SFP56 modules typically ranging from \$50 to several hundred dollars, depending on reach and manufacturer .

Factors Affecting Price

- Brand vs Compatible: OEM-branded modules offer warranty and guaranteed compatibility, which increases cost, while third-party compatible modules provide cost savings but may have limited support .
- Data Rate and Reach: Higher-speed modules (10G, 25G, 50G, 100G) and long-reach or extended-temperature modules are more expensive due to advanced design and performance requirements .
- Receiver Type: Simple photodiode-based receivers are generally cheaper, while coherent receivers with local oscillators and digital signal processing for long-haul networks are significantly more expensive .
- Form Factor: SFP, SFP+, SFP28, QSFP28, and other form factors influence pricing,...

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The Optical Receivers Market encompasses the design, manufacturing, and deployment of highly sensitive electronic components

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The 4 Best AV Receivers for Most People of 2026 | Reviews by

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