

Price of 10 Gigabit Optical Modules for Sale

Article Overview

The price of a 10G SFP+ optical module typically ranges from \$10 to \$300, depending on type, distance, and brand.

Understanding Price Ranges

The cost of a 10G SFP+ module varies widely due to factors such as transmission distance, optical technology, and vendor branding. Short-range (SR) multimode modules for distances up to a few hundred meters are usually the most affordable, often priced between \$20 and \$60 for compatible modules, while long-range (LR) single-mode modules for distances up to 10 km can cost \$100-\$300 or more, especially if purchased from major OEMs like Cisco or Juniper . Branded modules are generally more expensive due to vendor support, warranty, and compatibility guarantees .

Factors Affecting Price

- o **Transmission Distance:** Longer distances require higher-quality optics and tighter manufacturing tolerances, increasing cost .
- o **Optical Technology:** Modules using advanced technologies like tunable DWDM or enhanced monitoring interfaces are priced higher due to performance and stability benefits .
- o **Brand and Compatibility:** OEM-branded modules often cost multiple times more than functionally equivalent compatible modules, while generic or third-party modules offer cost savings but may have limited warranty or support .
- o **Power Consumption and Features:** Low-power modules or those with enhanced monitoring and multi-rate support may carry a premium .

How to Check Current Prices

- o **Online Retailers:** Websites like FS.com list modules with prices, e.g., a 10G SR module for \$25 and a 10G LR module for \$34 .
- o **Specialized Distributors:** Companies like Cables on Demand provide pricing for Cisco, HP, and Brocade-ready modules, including SR and LR options .
- o **Price Guides:** Blogs and procurement guides summarize typical price ranges and explain cost drivers, helping buyers make informed decisions .

Practical Tips

- o For data center or enterprise networks, compatible SR modules often provide the best cost-per-port for short distances.

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- o For backbone or long-distance links, LR modules are more suitable despite higher cost.
- o Always consider warranty, compatibility, and vendor support when choosing between low-cost compatible modules and OEM-branded options. By evaluating these factors and checking current listings from reputable distributors, you can determine a realistic price for the 10G optical module that fits your network requirements.

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10G SFP+ Transceiver Optcore 10G SFP+ transceivers are suitable for 10G Ethernet and fiber channel connectivity. They comply

10 Gigabit optical transceiver has a data rate of 10Gbps, packaging in SFP+. 10g sfp+ transceiver is widely used in 10 Gigabit

Features and Benefits The following table lists the different pluggable optic modules and supported platforms, along with the

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