

Industrial-grade 10G optical module price quote

Article Overview

Industrial-grade 10G SFP+ optical modules typically cost between \$100 and \$300, depending on type, brand, and transmission distance.

Price Range and Factors

The cost of a 10G SFP+ module varies widely, generally ranging from \$20 to \$300 for standard modules, with industrial-grade or long-reach modules at the higher end of this spectrum . Key factors influencing price include:

- o Module Type: Short-range (SR) modules are cheaper, often \$20-\$60, while long-range (LR/ER) or tunable DWDM modules can cost \$100-\$300+ .
- o Transmission Distance: Modules designed for longer distances require higher optical power and tighter manufacturing tolerances, increasing cost .
- o Brand and OEM vs Compatible: Branded modules from Cisco, Juniper, or HPE are priced higher due to vendor support and warranty, whereas compatible third-party modules are more affordable .
- o Industrial-Grade Specifications: Modules rated for extended temperature ranges, vibration resistance, or harsh environments are considered industrial-grade and typically cost more than standard commercial modules .

Performance and Technology Considerations

Industrial-grade 10G SFP+ modules often incorporate advanced optical chips and packaging technology to ensure low power consumption, high stability, and reduced bit error rates . Some modules, such as tunable DWDM SFP+, support precise wavelength control and enhanced monitoring interfaces for real-time operational data, which adds to the cost .

Practical Buying Advice

For most enterprise and data center deployments, reliable industrial-grade 10G modules can be sourced well below the highest listed prices, especially when using compatible modules that meet technical requirements . Buyers should balance cost, compatibility, warranty, and environmental specifications to select the most cost-effective solution. In summary, expect to pay \$100-\$300 for industrial-grade 10G SFP+ modules, with higher prices for long-reach, branded, or specialized modules designed for harsh environments, while standard short-range modules can be significantly cheaper .



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Amphenol SFP Optical Modules o SFP+ Optical Modules from Cables on Demand are Now Available in both Short Range (SR)

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Learn the latest 10G SFP price ranges, key cost factors, brand comparisons, and how to buy reliable 10G SFP modules at the best

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10G SFP+ Modules - High-Speed Fiber Transceivers Compatible with Cisco, Juniper, Arista for Data Centers LINK-PP"s 10G SFP+

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10G SFP+ transceivers are available in many different transmitting and receiving types. Users can select the

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appropriate transceiver

Huawei SFP-10G-USR Overview The Huawei SFP-10G-USR is an enterprise-class SFP+ optical transceiver designed for

Web: <https://bssoda.pl>

