

Price of 100 optical modules for sale



AI Overview

The cost of 100 optical modules (100G QSFP28) in 2026 can range from approximately \$3,500 to \$78,000 depending on whether you choose third-party or OEM modules.

Pricing Overview

Third-party compatible modules: Common 100G QSFP28 modules from third-party suppliers can cost as low as \$35–\$280 per module depending on reach and specifications. For 100 modules, this translates to \$3,500–\$28,000.

OEM modules: Official vendor modules, such as Cisco or other OEM-branded QSFP28 transceivers, can cost \$780 or more per module, making 100 modules cost around \$78,000.

Factors Affecting Price

Module Type and Reach: Short-reach (SR) modules are generally cheaper, while long-reach (LR) or extended-reach modules cost more due to higher-quality lasers and optical components.

Vendor and Brand: OEM modules include brand assurance, warranty, and guaranteed compatibility, which increases cost. Third-party modules offer savings but may require careful compatibility checks.

Engineering and Production Costs: Prices reflect the cost of chipsets, optical components, assembly, testing, and quality assurance. Modules undergo rigorous reliability and performance testing, which is factored into the price.

Volume Discounts: Bulk purchases often reduce per-unit cost, especially from third-party suppliers.

Additional Costs: Shipping, customs duties, and spare inventory can add to the total procurement cost.

Practical Considerations

Compatibility: Ensure third-party modules are compatible with your existing switches and routers.

Warranty and Support: OEM modules typically offer longer warranties and technical support, which may justify higher costs for enterprise deployments.

Total Cost of Ownership: Consider not just the module price but also installation, testing, and potential replacement costs over time.

In summary, for 100 optical modules, you can expect a wide price range from \$3,500 for basic third-party modules to \$78,000 for premium OEM modules, with the final cost influenced by mo...

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