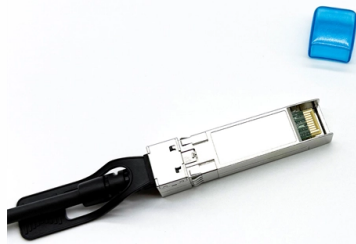


Wholesale Price of Optical Communication Modules



Article Overview

Wholesale optical communication modules typically range from \$20 to \$500 per unit depending on type, speed, and distance, with bulk orders often offering significant discounts.

Overview of Optical Modules

Optical communication modules, also known as optical transceivers, are devices that convert electrical signals into optical signals and vice versa, enabling high-speed data transmission over fiber-optic networks. Common types include SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP-DD, and higher-speed modules like 400G and 800G OSFP for AI and data center applications. Modules vary by data rate, transmission distance, and connector type, which directly affects pricing.

Typical Wholesale Price Ranges

- 1G-10G SFP/SFP+ modules: \$20-\$80 per unit, depending on reach and manufacturer.
- 25G-100G QSFP28 modules: \$100-\$300 per unit, with higher-end modules supporting longer distances or advanced features like PAM4 signaling.
- 200G-400G QSFP-DD/OSFP modules: \$300-\$500 per unit, often used in AI clusters and high-performance data centers.
- Custom or OEM modules: Prices vary widely; bulk orders can reduce per-unit cost significantly

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