

CIF Price Optical Module QSFP28



Overview

FS 50G QSFP28, SFP56 optical module solution used for high-density switching, routing and data center applications.

Key Takeaways

QSFP28 modules typically range from \$35 for short-reach third-party models to several thousand dollars for OEM long-reach modules, with CIF prices depending on shipping and insurance costs.

- Third-party short-reach (SR4) modules: Around \$35-\$100 per module, offering 100G connectivity at a low cost .
- Mid-range modules (CWDM4, LR4, FR1, LR1): Typically \$200-\$600, widely available from multiple suppliers with competitive pricing .
- Long-reach or ZR4 modules: Can reach \$1,000-\$3,000+, as optical components dominate the cost .
- OEM-branded modules (Cisco, Juniper, etc.): Often \$800-\$2,500 depending on model, warranty, and platform compatibility .

Factors Affecting CIF Pricing

- Shipping and Freight: CIF includes the cost of the module, insurance, and freight to the destination port. For small modules, shipping is usually modest, but expedited or bulk shipments can increase costs.
- Insurance: Typically 0.5-1% of the module value, depending on carrier and declared value.

- **Module Type and Reach:** Short-reach modules are cheaper, while long-reach (LR, ZR) modules are more expensive due to higher-quality optical components.
 - **OEM vs Third-Party:** OEM modules include brand support, warranty, and verified compatibility, which increases cost. Third-party modules are cheaper but may require careful verification for platform compatibility.
 - **Power and Temperature Grade:** Modules consuming 3.5–4.5W and rated for extended temperature ranges may have slightly higher costs .
- Practical CIF Estimate

For a typical 100G QSFP28 module shipped internationally:

- Third-party SR4: CIF \$40–\$120
- Mid-range LR4/CWDM4: CIF \$220–\$650
- OEM LR4/ZR4: CIF \$900–\$3,200 These estimates include module cost, standard shipping, and insurance, but exact CIF pricing depends on the supplier, shipping method, and destination port.

Recommendation

- For budget-conscious deployments, third-party SR4 or LR4 modules provide significant savings while maintaining 100G connectivity .
- For mission-critical networks, OEM modules ensure full compatibility, warranty, and support, which may justify the higher CIF cost . By considering these factors, buyers can plan procurement budgets and negotiate CIF pricing effectively.

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In conclusion, QSFP28 optical modules play a crucial role in enabling high-speed data transmission in modern data centers,

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