

Offshore Price QSFP Optical Module 400G



Article Overview

400G QSFP-DD modules range from approximately \$1,400 for short-reach SR8 modules to over \$130,000 for long-haul coherent ZR+ modules, depending on type and vendor.

Price Ranges by Module Type

- SR8 (Short-Reach, In-Rack): Typically \$1,400–\$1,800 from reputable third-party vendors, ideal for in-rack and cross-row connectivity in data centers .
- DR4/FR4 (Medium Reach): Used for inter-row or campus links, prices are competitive due to a robust third-party ecosystem, generally \$2,000–\$5,000 depending on vendor and distance .
- LR4 (Long-Reach, 10 km): OEM pricing can exceed \$10,000, making it a significant cost factor for DCI deployments .
- ZR/ZR+ (Coherent, Long-Haul): High-end modules for wide-area networks can cost \$130,000+ from OEMs, while validated third-party alternatives may reduce costs to around \$12,000 per module .

Factors Affecting Offshore Pricing

- Transmission Distance: Longer distances require more sophisticated optics, increasing cost.
- Module Type: Coherent optics (ZR/ZR+) are significantly more expensive than short-reach SR8 modules.
- Vendor Choice: Third-party vendors often offer substantial savings compared to OEMs without compromising performance .
- Physical Layer Infrastructure: Using Direct Attach Copper (DAC) cables for short di...

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optical transceivers from Unitekfiber. We offer 100% compatible 40G, 100G, and 400G QSFP-DD modules for data centers. Expert

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By plugging Coherent's high transmit output power 400G QSFP-DD-DCO transceivers directly into their switches or routers, network

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FS 400G QSFP-DD module can be paired with optical fiber cables to enable various links, achieving different network

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