



CIF price for 800G pluggable optical modules

Article Overview

The CIF price for 800G optical modules typically ranges from \$700 to \$1,900 per unit, depending on module type, vendor, and volume discounts.

Estimated Base Prices

- o 800G OSFP-DR8: \$1,100-\$1,400 per unit for orders of 1,000+ units
- o 800G QSFP-DD-DR8: \$1,000-\$1,300 per unit for large-volume purchases
- o 800G OSFP-FR4: \$1,500-\$1,900 per unit for longer-reach modules
- o 800G LPO (Linear Pluggable Optics): \$700-\$900 per unit, lower cost due to no DSP

Factors Affecting CIF Pricing

- o Vendor Tier: OEM modules (e.g., Cisco, Arista) can command a 30-50% premium over third-party compatible modules .
- o Volume Discounts: Orders over 1,000 units may receive 10-20% discounts, and orders over 5,000 units can get 20-30% discounts .
- o Technology Maturity: Early-generation modules cost 40-60% more than mature products .
- o Customization: Special wavelengths, extended temperature ranges, or additional testing can add 15-30% to the base price .
- o Market Dynamics: Supply constraints can temporarily increase prices by 20-40% .

CIF Considerations

The CIF price includes cost, insurance, and freight to the destination port. To estimate CIF:

- o Base module price: As listed above
- o Shipping and insurance: Typically 5-10% of the module cost, depending on origin, destination, and shipping method
- o Customs duties and taxes: Vary by country and may add additional cost For example, an 800G OSFP-DR8 module priced at \$1,200 per unit could have a CIF price of approximately \$1,260-\$1,320, assuming standard shipping and insurance rates.

Additional Notes

- o Coherent modules like 800G ZR/ZR+ for long-distance DWDM links are generally at the higher end of the price range due to complex optics and DSP integration .
- o Modules from Cisco or NVIDIA are certified and tested for high-performance applications, which may

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justify the premium in CIF pricing .

o For bulk procurement, contacting vendors directly is recommended to obtain exact CIF quotes including shipping, insurance, and any applicable import duties. By considering these factors, data center operators and network planners can budget accurately for 800G optical module deployment while accounting for shipping and insurance costs.

Examining the current state of coherent devices provides insights into the future trends of 800G ZR. Reflecting on the

The OSFP specification was expanded in 2021 to include support for 800G modules with 100G PAM4 lanes (OSFP800) and

The 800Gb and beyond connectivity conundrum The global demand for high-speed optical modules is accelerating,

The 800G Pluggable MSA group was formed in September 5, 2019 and promotes a joint industry exchange and collaboration

CIR notes that work on 800 Gigabit Ethernet modules is already underway, via specification efforts from organizations such as the

800G modules drive optical market recovery in Q2 2025, with initial 1.6T shipments. This article highlights key trends

Introduction to 800G/1.6T Pluggable Optics Modules The Evolution of Optical Transceivers: From 100G to 1.6T Driven by the

800G Optical transceiver module is a new-gen DCI solution with its QSFP DD spec like optical & electrical connectors,

Buy now, ships today. OSFP-800G-DR8-FLT-MSA-AT - Transceiver Module Networking and Communications 800Gbps 1310nm

QSFP-DD price guide with 400G/800G module costs, OEM vs third-party comparison, volume discounts, and 3-year

High-Speed Interconnects: Backend network requires high speed 100G/200G or 800G optics to connect servers and network

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The datacom optical component market will grow 60%+ to reach over US\$16 billion in revenue during 2025, based

Procurement forecasts frequently project aggressive price drops for 800G optics by 2026, ignoring the non-linear

Based on the high-volume, high-reliability platform from Intel and MaxLinear, Jabil will supply 800G-DR8, 2x400G

Compare optical modules for data centers and AI clusters. Learn key differences in standards, power, cabling, and

This paper describes the technical route of optical communication from 400G to 800G to 1.6T optical modules and

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