

Wholesale Price of Tunable Optical Module QSFP



Article Overview

Tunable QSFP optical modules typically range from \$400 to \$1,200 per unit in wholesale quantities, depending on speed, reach, and vendor.

Overview of Tunable QSFP Modules

Tunable QSFP modules are high-speed optical transceivers that allow the wavelength to be adjusted for flexible deployment in dense wavelength-division multiplexing (DWDM) networks. They are widely used in data centers, enterprise networks, and high-performance computing clusters to optimize bandwidth and reduce inventory costs by supporting multiple channels with a single module.

Factors Affecting Wholesale Pricing

- **Data Rate and Type:** QSFP modules come in 40G, 100G, 200G, and 400G variants. Tunable modules for higher speeds (100G+ or QSFP28/QSFP-DD) are more expensive than standard 40G QSFP+ modules .
- **Transmission Distance:** Modules supporting short-reach (SR) for multimode fiber are cheaper, while long-reach (LR/ER/ZR) single-mode tunable modules for distances up to 80 km or more cost significantly more .
- **Vendor and Compatibility:** OEM-branded modules (Cisco, Juniper, Arista) are priced higher, whereas third-party or MSA-compliant modules from wholesale suppliers like FS, Unitekfiber, or QSFPTEK are more cost-effective .
- **Features:** Tunable modules with digital diagnostics monitoring (DDM), low latency, and high reliability are priced higher than basic modules .

Article Content

Optical Transceiver Modules, HUAWEI Cisco SFP SFP+ QSFP

Deploy software configurable line rates and modulation schemes for long-reach amplified DWDM systems or dark fiber systems.

40G QSFP+ Transceiver Modules | Optical Transceivers

FS 40G QSFP+ optical transceiver module solutions offer a full range of QSFP+ modules from 150m to 80km reach, and used for

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40G QSFP+ Optical Transceivers Complete Guide | Fibrecross

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