Wholesale price of 400G optical modulator



Overview

Wholesale 400g optical transceiver at factory price from Fiberwdm . We are best 400g optical transceiver supplier,focus on optical communication products manufacture many years!

Key Takeaways

Wholesale 400G optical modulators typically range from $1,500 to $4,000 per unit, depending on type, reach, and supplier. Overview of 400G Optical Modules400G optical modulators, also known as optical transceivers or modules, convert electrical signals into optical signals for high-speed data transmission. Common form factors include QSFP-DD and OSFP, with variants such as DR4, FR4, LR4, and ZR+ supporting different transmission distances and applications.

These modules are widely used in data centers, AI clusters, enterprise networks, and metro networks to meet growing bandwidth demands.

Wholesale Pricing Factors

Form Factor: QSFP-DD modules are backward-compatible with QSFP28, while OSFP modules offer higher thermal efficiency and port density.

OSF

P DR4 modules are increasingly adopted in hyperscale data centers. Transmission Distance: Short-range (SR8) modules cost less than intermediate (DR4/FR4) or long-range (LR4/ER4) modules. For example, a 2 km DR4 module is priced lower than a 120 km ZR+ coherent module.

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Modulation Technology: PAM4 modulation and coherent optics (ZR+) increase performance but also raise costs. Supplier and Certification: Factory-direct suppliers like Fiberwdm, Unitekfiber, FiberMall, and ETU-Link offer competitive wholesale pricing, often with OEM-quality assurance and compliance with IEEE 802. 3bs, QSFP-DD MSA, and RoHS standards.

Typical Wholesale Price RangesQSFP-DD DR4 (2 km): Approximately $1,500–$2,500 per unit for bulk orders. QSFP-DD ZR+ Coherent (120 km): Approximately $3,000–$4,000 per unit, reflecting higher performance and longer reach.

OSF

P DR4 modules: Similar to QSFP-DD DR4, with slight premium for thermal and density advantages, typically $1,800–$2,800 per unit.

Purchasing Considerations

Minimum Order Quantity (MOQ): Wholesale suppliers often require bulk orders; verify MOQ before purchase. Compatibility: Ensure modules are compatible with existing switches and routers; many suppliers provide pre-testing and coding for major OEM hardware. Technical Specifications: Confirm wavelength (e.g., 1310 nm for DR4), connector type (MPO-12), and power consumption (e.g., 9.

5W max for DR4) to match network requirements. Supplier Reliability: Choose verified suppliers with ISO 9001, CE, RoHS, and FCC certifications to ensure quality and long-term support. In summary, wholesale 400G optical modulators are available from $1,500 to $4,000 per unit, with pricing influenced by form factor, reach, modulation type, and supplier.

For bulk procurement, contacting suppliers directly for quotes and technical verification is recommended to secure the best pricing and compatibility.

Article Content

Custom 400g optical transceiver manufacturer,400g optical

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Wholesale Optical Transceivers Module | 100G QSFP28, 40G QSFP

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What Is The Optical Transceiver?The Common Type of Optical TransceiverActive Optical CableDirect Attach Copper CableOptical module is actually a device that can convert electrical signals into optical signals, thereby speeding up data transmission efficiency. It is mainly composed of: electrical chips, optical chips and optical components. In summary, optical transceivers are efficient data transmission devices. With the rapid development of artificial intellige...See more on unitekfiber accio

Wholesale 400g OSFP DR4: Best Deals & Suppliers - accio

Find top wholesale 400g OSFP DR4 modules with low MOQ, verified suppliers, and AI-driven optimization. Click to explore trusted vendors and secure your bulk order today.

400G Optical Module

This report aims to provide a comprehensive presentation of the global market for 400G Optical Module, focusing on the total sales volume, sales revenue, price, key companies market

200G/400G/800G Optical Transceiver Modules | FiberMall

200G/400G/800G optical module features up to 40km transmission distances using QSFP56/QSFP-DD footprints for data center interconnect applications - FiberMall

400G OSFP Wholesale: High-Speed Optical Modules for Data Centers

Need 400G OSFP wholesale solutions? Discover top-rated suppliers with low MOQ, high performance, and customizable options. Click to explore verified vendors and boost your network efficiency today.

400G OSFP SR4 400GBASE Optical Transceiver Module 850nm

The module converts 4 channels of 100Gb/s (PAM4) electrical input data to 4 channels of parallel optical signals, each capable of 100Gb/s operation for an aggregate data rate of 400Gb/s.

Global 400G Optical Module Supply, Demand and Key Producers,

A 400G Optical Module refers to an advanced optical transmission module used in data centers, telecommunications networks, and high-speed communication systems. It is designed to

400G QSFP-DD DR4 2km MPO Optical Transceiver

Get 400G QSFP-DD DR4 2km MPO Optical Transceiver from ETU-Link Technology CO .,LTD,we supply excellent 400Gbps QSFP-DD QDD-400G-DR4 400G. Long

OpenLight, Tower Demo High-Speed 400G/Lane Optical Modulator

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OpenLight and Tower Semiconductor have successfully demonstrated a 400G/lane silicon photonics modulator, marking a significant advancement in high-speed optical connectivity for

400G Transceivers — Transceiver USA

Transceiver USA''s optical QSFP and OSFP modules are used in enterprise and datacenter networks. View price, stock and buy direct from Transceiver USA.

OpenLight and Tower Semiconductor Demonstrate

Press releases OpenLight and Tower Semiconductor Demonstrate 400G/lane Modulators Built on Silicon Photonic Wafers for Data Centers and AI Optical

Global 400G Optical Module Market Research Report 2025 (Status

The 400G optical module is a high-speed transceiver used in data centers and telecommunications networks to transmit data at 400 gigabits per second (Gbps). It leverages

OpenLight and Tower Semiconductor demonstrate 400G/lane modulators ...

OpenLight and Tower Semiconductor demonstrate a 400G/lane modulator on silicon photonics for data centers and AI applications.

OpenLight and Tower Semiconductor Demonstrate 400G/lane Modulators ...

OpenLight and Tower Semiconductor Demonstrate 400G/lane Modulators Built on Silicon Photonic Wafers for Data Centers and AI Optical Connectivity Innovation paves the way for a high

Comprehensive understanding of 400G optical modules

5.400G optical module price discussion As can be seen from the high-performance computing network topology diagram, it is not only the storage capacity of the equipment for data that increases.

OpenLight, Tower show 400G photonic chip

The 400G modulators can also be combined with lasers and optical amplifiers on a single, compact, cost- and power-efficient photonic integrated

OpenLight, Tower, trial 400G/lane modulators

PASIC chip designer and manufacturer OpenLight, and Tower Semiconductor have successfully demonstrated a 400G/lane modulator on Tower''s commercially available, integrated

Slovakian optical modulator 40g Germany

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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