

Bulk Purchase of Optical Receiver OSFP



Overview

Our experts are ready to assist with compatibility questions, deployment planning, and bulk order solutions.

Key Takeaways

OSFP optical receiver modules are available in 400G and 800G configurations, supporting PAM4 modulation, multiple connector types, and distances up to 2km, with bulk purchasing options from suppliers like Pivotal Optics, QSFPTEK, FiberMall, and NADDOD.

Key Product Options

- **400G OSFP DR4 Modules:** Designed for high-speed Ethernet and InfiniBand networks, supporting up to 212.5Gbps per lane with PAM4 signaling. Hot-pluggable with finned or closed-top heatsinks, compatible with LC, MPO, and MPO-16 connectors, suitable for data center and telecom deployments (Pivotal Optics) .
- **800G OSFP 2x400G DR4/DR8 Modules:** Support up to 850Gbps with dual MPO-12 APC connectors over single-mode fiber, enabling 500m to 2km reach. Compliant with IEEE 802.3cu-2021 and OSFP MSA standards, featuring digital diagnostics monitoring (DDM) for real-time performance tracking (QSFPTEK, FiberMall) .

- Linear Pluggable Optics (LPO) 800G OSFP: DSP-free architecture reduces power consumption by ~50% and lowers latency, optimized for AI datacenter applications. Supports 8x112Gbps PAM4 channels, compatible with Arista, NVIDIA, Cisco, and Broadcom devices, offering high reliability and energy efficiency (NADDOD) .

Considerations for Bulk Purchase

- Compatibility: Ensure modules are tested with your existing switches and NICs. Many suppliers provide compatibility testing with mainstream devices to guarantee seamless operation .
 - Reach and Connector Type: Choose modules based on required distance (500m-2km) and connector type (LC, MPO, MPO-16) for your network topology .
 - Performance and Modulation: PAM4 modulation is standard for high-speed OSFP modules. Consider DSP vs. DSP-free designs depending on latency and power requirements .
 - Supplier Support and Warranty: Leading suppliers offer limited lifetime warranties, rigorous testing, and OEM-grade quality control, which is critical for large-scale deployments .
 - Cost Efficiency: Bulk orders often qualify for trade pricing or volume discounts. Suppliers like QSFPTEK and NADDOD emphasize cost-effective solutions without compromising performance .
- #### Recommended Suppliers for Bulk Orders
- Pivotal Optics: Offers 400G OSFP modules with advanced diagnostics and multiple connector options, suitable for enterprise and carrier-grade networks .
 - QSFPTEK: Provides 800G OSFP DR8 modules with high reliability, IEEE compliance, and breakout compatibility .
 - FiberMall: Supplies 2x400G FR4 OSFP modules with 2km reach and extensive compatibility testing .
 - NADDOD: Specializes in DSP-free 800G OSFP LPO modules optimized for AI datacenters, reducing power and latency . For bulk purchasing, it is recommended to contact suppliers directly to discuss volume pricing, lead times, and compatibility verification to ensure seamless integration into your network infrastructure.

Article Content

Optical Transceivers SFP SFP28 QSFP28 QSFP-DD 1G to 400G Range

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

OSFP-800G-SR8D-FLT OSFP 8x100G SR8 Flat Top PAM4 850nm 100m DOM Dual MPO-12 MMF Optical Transceiver Module \$

Amazon : Lemspum OSFP-400G-SR4 400G Multimode OSFP

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Dive into the complexities of OSFP transceivers for 400G optical connectivity with FiberMall's ultimate guide.

Optical Transceiver Modules Prices & Specifications

What is Optical Transceiver Modules/SFP? Optical Transceiver Modules/SFP, also called fiber optic transceiver or optical

Optical Transceiver Market Size, Share, Analysis 2030

The global Optical Transceiver Market size in terms of revenue was estimated to be worth \$13.6 billion in 2024 and is poised to reach

Understanding the Flat-Top OSFP Optical Transceiver: Compatibility ...

Explore the OSFP Flat Top Optical Transceiver's compatibility with 800G modules, direct attach cables, and its

800G Optical Transceiver Overview: QSFP-DD and OSFP Packages

This article provides an overview of 800G optical transceivers, focusing on the QSFP-DD and OSFP packages.

FEATURES APPLICATIONS 800G OSFP 2xF

Jabil's 2x400Gb/s FR4 OSFP Optical Transceiver is a small form-factor, high speed, and low power consumption product targeted for

800G QSFP-DD

Sustainable OSFP/QSFP-DD SULITON's management is implemented in accordance with environmental sustainability standards.

Understanding OSFP Modules: Your Guide to High-Speed Optical ...

Discover how OSFP modules provide high-speed optical connectivity for data center applications. Learn about the

Wholesale OSFP SR8: The Real-World Guide to Deploying 800G Optical ...

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Understanding the OSFP Standard: The Open 400G/800G Optical

Introduction: The Shift from QSFP-DD to OSFP As data centers transition from 400G to 800G interconnects,

800G OSFP: A Guide to Next-Generation Optical Transceivers

800G OSFP Supporting 800G over eight lanes, these modules offer ultra-high bandwidth suitable for next-generation

QSFP+ vs. OSFP: A Comprehensive Comparison of Optical

QSFP+ vs. OSFP: A Comprehensive Comparison of Optical Transceivers In the rapidly evolving landscape of data

Juniper 800G Optical Transceivers and Cables Guide

Use the information in this topic to remove OSFP or QSFP-DD optical transceivers and fiber-optic cables. Juniper

Sell Used Optical Transceivers in Bulk (SFP/QSFP) | ServerBuyback

We buy surplus and pulled optical transceivers and direct-attach cables in bulk across the USA and Canada — SFP, SFP+, SFP28,

Optical Transceiver Buying Guide: SFP/QSFP Explained for

Whether for data centers, enterprise networks, or service providers, choosing the right optical transceiver is critical for

Generic Compatible OSFP 800G 2DR4 1310nm 500m MPO-12 SMF

Generic Compatible 800G OSFP DR8 (2x 400G DR4) transceiver module supports a max data rate of 850Gbps. It enables the fiber

InnoLight Technology: 800G OSFP112 LRO AOC | Offshore Magazine

InnoLight claims its 800G LRO (Linear Receiver Optical Module) AOC using TX DSP and in-house SiPho PIC would

800GBASE 2 x DR4/DR8 OSFP Optical Transceiver Module | FiberMall

FiberMall OSFP-800G-DR8D Compatible 800G 2 x DR4/DR8 OSFP Module uses a Wavelength of 1310nm via Dual MTP/MPO-12

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

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Top 10 Optical Transceiver Manufacturers in the World

They buy from specialized optical foundries, re-brand them, and add a massive markup. To truly optimize

Introduction to OSFP Optical Transceiver

OSFP is short for Octal Small Form Factor Pluggable. it is being designed to use eight electrical lanes and each lane for 50GBE to

Optical Transceivers Manufacturers and Suppliers in the USA

Manufacturer of optical transceivers, direct attach cables, and network connectivity equipment. Products include small

Heavy Reading White Paper: 800G Client Optics in the Data

Data center interconnect links that had previously relied on separate optical transport systems with integrated coherent transceivers

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800G OSFP Optical Transceiver Modules

Explore QSFPTEK 800G OSFP optics price lists and datasheets. The 800G optics provide ultra low latency, low power, and high

800G OSFP/QSFP-DD Optical Transceivers for InfiniBand & RoCE

High-density 800G OSFP and QSFP-DD transceivers support InfiniBand and RoCE, enabling 100m to 2km transmission via MMF

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Shop 800G optical transceivers including QSFP-DD and OSFP modules. Multi-vendor compatible, high-density solutions for data

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