

Quotation for OSFP optical modules SFP



Article Overview

OSFP optical modules, especially 400G and 800G, typically range from \$1,000 to \$5,000 per unit depending on speed, vendor, and compatibility.

Overview of OSFP Modules

OSFP (Octal Small Form Factor Pluggable) modules are high-speed optical transceivers designed for 400G and 800G Ethernet applications, supporting 8× lanes per module with PAM4 signaling . They are widely used in AI data centers, hyperscale cloud networks, and enterprise backbones due to their high bandwidth, thermal efficiency, and scalability . OSFP modules are slightly larger than QSFP-DD modules to accommodate higher power dissipation (up to 15-20W) and advanced cooling solutions .

Pricing Factors

The cost of OSFP modules varies based on several factors:

- **Speed and Bandwidth:** 400G OSFP modules are generally less expensive than 800G modules due to lower lane requirements and simpler optics .
- **Vendor and Brand:** OEM-branded modules (Cisco, Juniper, HPE) are priced higher, often \$2,000-\$5,000 for 800G modules, while third-party or compatible modules can be \$1,000-\$3,000 .
- **Reach and Connector Type:** Modules supporting longer distances (e.g., 10-40 km) or specialized connectors (LC, MPO) cost more than short-reach modules .
- **Warranty and Support:** Modules with lifetime warranties, advanced diagnostics, or...

Article Content

SFP Optical Module Specifications: Standards & Performance

This guide dives into the key SFP Optical Module Specifications that engineers, network architects, and procurement

800G-FR4 – OSFP224 2km Transceiver

The STC-800G-FR4 OSFP224 is a high-bandwidth optical transceiver designed for 800Gbps transmission over single

Request a Quote — OptiModule

Request a quote for OptiModule optical transceivers. Fast response within 24 hours with competitive pricing.

Introduction to OSFP Optical Transceiver

The OSFP receptacle does not offer backwards intermate-ability to existing modules since it favors optimizing the electrical,

800G/400G Coherent OSFP/QSFP-DD Transceiver Modules | Optical

FS 800G/400G Coherent OSFP/QSFP-DD optical transceiver module solutions offer a range of OSFP/QSFP-DD modules

400G – Which form factor? (QSFP-DD, OSFP, CFP8)

The QSFP-DD port is backward compatible with QSFP+ (40G), QSFP28 (100G) and QSFP56 (200G). The OSFP port

How do SFP, SFP+, and QSFP compare?

Summary There's a wide range of SFP form factors that support an equally wide range of speeds and applications.

OSFP Power Consumption by Data Rate: 400G to 1.6T Guide

Learn OSFP power consumption specifications for 400G, 800G, and 1.6T modules. Compare real-world wattage,

Comprehensive Guide to 400G OSFP Optical Modules: Specs,

With the growing demands of mobile data, the Internet, and big-data applications, 400G optical transceivers are

SFP vs QSFP vs OSFP: Choosing the Right Transceiver for Your

While initial costs for QSFP and OSFP transceivers are higher, their long-term benefits in terms of performance and

osfp vs qsfp-dd vs qsfp vs sfp, What are their differences?

SFP+, SFP28, QSFP+, QSFP28, QSFP-DD vs OSFP are the different Form Factors of the Optical Transceiver

OSFP OCTAL SMALL FORM FACTOR PLUGGABLE MODULE

Abstract: This specification defines the electrical connectors, electrical signals and power supplies, mechanical and thermal

The Ultimate Guide to SFP Modules (2026): Types, Speeds

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM

SFP vs SFP+ vs SFP28 vs QSFP+ vs QSFP28 vs QSFP-DD vs OSFP

The diversity of optical transceivers is reflected in various connector types and form factors, including SFP, SFP+,

SFP modules – transceivers for 1/2/4G fibre channel

SFP – small form factor – pluggable modules for various optical data communications such as Fast Ethernet, Gigabit Ethernet, BiDi,

50/25/10/1G Transceiver Modules | Optical Transceivers

FS provides 50/25/10/1G transceivers modules in SFP/SFP28/SFP56/QSFP28 form factor, supporting transmission distances from

Small Form-factor Pluggable

Small Form-factor Pluggable Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable

What are OSFP transceivers?

The modules are designed to manage up to 15 watts per port. The OSFP also offers backward compatibility with 100G QSFP optics.

Surveying the New Optical Form Factors for 400 Gigabit Ethernet

The OSFP receptacle does not offer backwards intermate-ability to existing modules since it favors optimizing the electrical,

Common Optical Module Form Factors

Looking back two decades, the 1Gbps Ethernet optical module had already become a standard, while efforts were

SFP Module Prices Comparison by Top 5 SFP Manufacturers 2023

Why Optical Transceiver Manufacturers Listed Below are for SFP Price Comparison First, pick up the most relevant

SFP Module Price

Find competitive sfp module prices for various optical transceivers. Our range includes 1.25G, 10G, and 25G modules

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

Optical module is the optoelectronic device that realizes photoelectric and photoelectric conversion in optical

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

Unitekfiber, a global optical transceiver wholesaler, provides a comprehensive portfolio of MSA-compliant transceivers—including

800G Client Optics in the Data Center

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

OSFP Connector Guide: 400G and 800G Modules, DAC, AOC, ACC,

OSFP optical modules include 400G SR8/DR8 and 800G DR8 /FR8 variants. They deliver low latency, high

The Big Differences Between SFP, SFP+, SFP28, QSFP+, QSFP28,

QSFP-DD & OSFP: Networking Technologies of the Future QSFP-DD and OSFP are geared towards meeting future

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

Optical Transceiver Manufacturer | 1G-800G Optics | Wolon

Custom 400G / 800G QSFP-DD & OSFP MODULE Enterprise & Access Optics Engineered for enterprise networks and access layer

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

OEM-compatible optical transceivers from 1G to 800G—SFP, SFP28, QSFP28, QSFP-DD & OSFP. MSA-compliant, TAA-certified,

800G OSFP/QSFP-DD | Transceiver Modules

The 800G transceiver modules are ideal choice for AI data centers, enterprise networks and service provider networks. Click to get

Contact Us

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