

Price of Optical Core Router OSFP



AI Overview

OSFP optical modules for routers range from approximately \$2,500 to \$8,000 depending on speed, distance, and vendor. Overview of OSFP Modules OSFP (Octal Small Form-factor Pluggable) modules are high-speed optical transceivers used in routers and switches for data center and service provider networks. They support 400G and 800G Ethernet links, with duplex LC connectors and single-mode fiber (SMF) compatibility. Cisco 800G OSFP modules support 800G traffic over DWDM links up to 120 km for 800ZR and over 1000 km for 800G ZR+ applications, suitable for metro and regional interconnects. Arista OSFP-400G-FR4 modules support 400GBASE-FR4 links up to 2 km over SMF, ideal for high-speed data transmission in enterprise or data center environments. FiberMall OSFP 2x400G FR4 modules provide 800GBASE Ethernet over 2 km of SMF, with 8 independent channels operating at up to 106.25 Gbps each. Pricing Information Cisco OSFP modules: Prices vary by model and configuration. Based on Cisco's global price list, 800G OSFP modules typically range from \$6,000 to \$8,000 per module, depending on features and support options. Arista 400G OSFP modules: Retail prices for new modules are generally around \$2,500 to \$4,000, with refurbished units potentially lower. FiberMall 800G OSFP modules: These modules are priced competitively, often in the \$5,000 to \$7,000 range, depending on quantity and shipping. Considerations Distance and application: Longer reach modules (e.g., 800G ZR+) are more expensive than short-reach 400G modules. Vendor and warranty: OEM modules from Cisco or Arista are priced higher but include full support, while third-party vendors like FiberMall offer cost-effective alternatives with compatibility testing. Refurbished vs new: Refurbished modules can reduce costs but may have limited warranty coverage. For an accurate price quote, it is recommended to contact vendors directly or check authorized resellers, as prices fluctuate based on availability, volume, and regional distribution. Cisco, Arista, and FiberMall all provid...

Article Content

OSFP Optical Transceiver: \$10.4B Market, 15% CAGR Forecast

OSFP Optical Transceiver market projected at \$10.4B with 15% CAGR, driven by Cloud, Data Center, and AI. Analyze key growth catalysts and segment performance.

Technical Overview of 800G OSFP Modules

Technical Overview of 800G OSFP Modules As the demand for faster and more efficient data transmission continues to rise, 800G OSFP (Octal

1600G OSFP1600 2xDR4 500M 1.6T Optical Transceiver

The 1600G OSFP1600 2xDR4 Transceiver is designed to transmit and receive serial optical data links up to 212.5 Gbps data rate (per channel) by PAM4 modulation

OSFP Product Family » Acacia

Octal Small Form-factor Pluggable (OSFP) solution that fits into high-density switch and router client ports for optical interconnect links. Powered by Greylock and Delphi DSP ASICs, and silicon

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

A Comprehensive Guide to 400G OSFP Ethernet

This article introduces the fundamental concept and key characteristics of 400G OSFP Ethernet optical transceivers, and analyzes their

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 Networks transceivers are hot-removable and hot-insertable field

Exploring the Future of Connectivity: 800g OSFP

Discover the future of connectivity with the 800G OSFP optical transceiver. Explore high-speed modules, passive DACs, and expert support

What is OSFP Octal Small Form Factor Pluggable?

The OSFP is the third MSA aimed at creating a 400 Gigabit Ethernet optical transceiver form factor. It follows the CDFP (see "CDFP Rev. 3.0 for 400-Gbps optical modules now available")

Edge-Core AIS800-32O 25.6T 32x800G OSFP800

The Edge-Core AIS800-32O is a 25.6T 32x800G OSFP800 port Tomahawk 5 SONiC AI switch for data center spine.

InfiniBand 400G/200G HDR | InfiniBand Optical

Click to get your 400G/200G HDR optical modules and cables from nearby warehouses. 30-Day Free Return. Trusted by 260K+ Enterprise Users.

800G Closed-Top OSFP AOC with CDR (TX / RX)

Universal Active Optical Cable (AOC) with CDR (TX / RX), 1 - 30 mUse FLEXBOX to configure to almost any vendor Closed-Top OSFP to Closed-Top OSFPAM4

Understanding OSFP Modules: Your Guide to High

Discover how OSFP modules provide high-speed optical connectivity for data center applications. Learn about the different form factors, data rates,

The Ultimate Guide to OSFP Transceivers: Unveiling

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

OSFP Form Factor: Complete Guide to 400G/800G/1.6T

Coherent optical modules for OSFP continue to advance. 800G ZR coherent modules are sampling now, with general availability expected in late

Coherent Optics at 400G, 800G, and Beyond

Integrated coherent optics on routers Fully integrated DWDM systems and switch/routers are practically tied as the primary platforms of interest for coherent 400G pluggable optics.

Cisco OSFP 800G Transceiver Modules Data Sheet

The OSFP 800G transceiver modules are Cisco's new generation of pluggable transceiver modules based on the OSPF specification. They offer

Cisco OSFP 800G Transceiver Modules Data Sheet

They offer flexible connectivity, with options for 800GE, 400GE, 200GE, and 100GE, for use in data centers, high-performance computing networks, enterprise core and distribution layers,

OSFP Transceivers: High-Density Optical Connectivity from 400G to

Designed for high thermal capacity, electrical scalability, and forward compatibility, OSFP modules now drive connectivity across 400G, 800G and the emerging 1.6T generation.

Cisco SFP vs SFP+ vs QSFP-28 vs OSFP: Guide for ...

Learn the differences between Cisco SFP, SFP+, QSFP-28, and OSFP optical transceivers. Explore technical comparisons, deployment scenarios, and procurement guidance for enterprise and data

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 reliability optical interconnect core components for data centers, AI

800G OSFP

Display: 24 per page Sort by: Featured View opticswave 800GBASE-XDR8 OSFP PAM4 1310nm 2km DOM MTP/MPO-16 SMF Optical Transceiver Module

How to Choose the Right 800G tranaceiver for Data

Explore guide to 800G optical transceivers—compare OSFP vs. QSFP-DD, key specs, deployment best practices, and future trends to future-proof your data

Cisco QSFP-DD and OSFP 800G ZR/ZR+ Coherent

Cisco QSFP-DD and OSFP 800G coherent optical modules are supported on Cisco switches and routers. For more details, refer to the Cisco

Shop for Approved Networks 800 GB OSFP SR8 Optical Transceivers

800GB OSFP SR8 InfiniBand Optical Transceivers Tier 1 Optical Components - Tested For Compliance, Performance & Compatibility - Limited Lifetime Warranty

Cisco OSFP 800G Transceiver Modules Data Sheet

Note: The OSFP-800G-VR8, OSFP-800G-VR8P, OSFP-800G-DR8 and OSFP-800G-DR8P require patch cords with angled physical contact (APC) MPO connectors. All cables and cable assemblies

Discovering the World of OSFP: A Comprehensive Guide

At its core, the OSFP module integrates electrical to optical conversion functionality, enabling the transmission of data over fiber optic cables,

Contact Us

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