

Project Quotation Telecom-grade router OSFP

Article Overview

OSFP modules for telecom-grade routers are available in 400G, 800G, and 1.6T configurations, with vendors offering direct quotation requests for project procurement.

Overview of OSFP Modules

OSFP (Octal Small Form Factor Pluggable) is an open standard designed for high-density, high-speed optical connectivity in data centers, AI clusters, and telecom networks . Key features include:

- o Eight electrical lanes supporting 50G, 100G, or 200G PAM4 per lane, enabling 400G, 800G, and 1.6T Ethernet .
- o Enhanced thermal management with module power consumption ranging from 8W to 20W, suitable for high-density deployments .
- o Vendor-neutral interoperability via the OSFP MSA, ensuring compatibility across multiple OEMs and IEEE-compliant interfaces .
- o Applications: AI/ML workloads, hyperscale data centers, enterprise core and distribution layers, and service provider networks .

Vendor Options and Quotation Process

- o Cisco OSFP 800G Modules: Provide 800GE, 2x400GE, 4x200GE, and 8x100GE connectivity. Certified for Cisco OSFP ports and compliant with IEEE 802.3 standards . Pricing and project quotations can be requested through Cisco sales channels.
- o Swedish Telecom Opto 1.6T-FR8 OSFP224 Modules: Support 1.6T Ethernet with 8x200G PAM4 channels, 2km single-mode fiber reach, and CMIS 5.x compliance. The vendor explicitly offers volume or custom-tuned quotations via email at sales@swedishtelecomopto.com .

Recommendations for Project Quotation

- o Define Requirements: Specify target bandwidth (400G, 800G, 1.6T), reach (short-range or 2km+), and thermal constraints.
- o Select Vendor: Choose based on compatibility with existing router infrastructure, certification, and support.
- o Request Quotation: Contact vendor sales teams directly with technical specifications, expected volume, and delivery timelines.
- o Consider Accessories: Include OSFP-compatible DAC/AOC cables if needed for interconnects . By following these steps, you can obtain a comprehensive project quotation for telecom-grade OSFP modules tailored to your network deployment.

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

The Octal Small Form-factor Pluggable (OSFP) represents a pivotal advancement in the world of networking

A: The OSFP is a pluggable form factor with 8x high speed electrical lanes that support up to 400 Gbps (8x50G), 800 Gbps

The Cisco ® OSFP 800G transceiver modules provide 800 Gigabit Ethernet (GE), 2x 400GE, 4x 200GE, and 8x

Learn about 1.6T OSFP transceivers: specifications, OSFP-XD vs standard OSFP, compatible switches like NVIDIA

EXTREMEPORT(TM) OSFP CONNECTOR AND CAGE SYSTEMS SUPPORTING 56G, 112G & 224G Amphenol's ExtremePort(TM)

Combined with strong electrical performance and broad system compatibility, TE OSFP connectors and cable assemblies deliver a

Learn how they compare to QSFP-DD, their role in 400G/800G networks, signal integrity,

November 23, 2025 Rev 1.11 :: Specification for OSFP-XD Octal Small Form Factor eXtra Dense Pluggable Module

Chobani is a food company dedicated to creating high-quality, nutritious products using natural ingredients and supporting communities.

How can I request a sample or quote for Amphenol OSFP connectors? Samples and quotations can be requested through the

The OSFP (octal small form factor pluggable) is a type of transceiver that connects a network device, such as a switch, to fiber or

Explore the differences between SFP, QSFP+, and OSFP transceiver modules. Learn when to upgrade your networking

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The 800G Digital Coherent Optics (DCO) family of transceivers are available in two small form-factors, QSFP-DD and OSFP, which

Learn how OSFP (Octal Small Form Factor Pluggable) enables scalable 400G and 800G Ethernet connectivity with

Web: <https://www.kremgroup.co.za>

