

800G OSFP Optical Module for Data Centers



Overview

The Cisco ® OSFP 800G transceiver modules provide 800 Gigabit Ethernet (GE), 2x 400GE, 4x 200GE, and 8x 100GE connectivity options, complying with the Octal Small Form Factor Pluggable (OSFP) MSA for pluggable transceivers. The modules comply with the OSFP MSA configuration with integrated closed. FS provides an expanding portfolio of 800G OSFP/QSFP-DD solutions featuring high-performance, high-bandwidth, and backward compatibility. The 800G transceiver modules are ideal choice for AI data centers, enterprise networks and service provider networks. It carries a built-in aluminum heat sink that adds visible bulk. And it consumes enough. Enter OSFP (Octal Small Form Factor Pluggable) — an open standard designed to deliver scalable, thermally optimized, and high-density optical connectivity for hyperscale, cloud, and AI-driven environments. It boasts the extraordinary ability to process 8 billion bits per second, more than doubling the.



Article Content

Cisco OSFP 800G Transceiver Modules Data Sheet

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

Co-Packaged Optics (CPO) 2026: Complete Technical

CPO switches are shipping in 2026. Learn how co-packaged optics work, which platforms are live, power savings vs pluggable, and what optics you

800G Optical Transceivers: The Guide for AI Data Centers

The complete guide to 800G Optical Transceiver standards (QSFP-DD vs. OSFP). Overcome supply shortages and scale your AI data center with Utmel Electronic.

Complete Guide to OSFP Transceiver: 400G/800G/1.6T

The OSFP standard creates a high-speed optical transceiver form factor that enables data transmission at 400G, 800G, and 1.6T speeds. The

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

These digital coherent optics modules enable 800G traffic over amplified DWDM links up to 120 km for 800ZR and over 1000 km for 800G ZR+.

800G Data Center Interconnect Guide: DAC, AEC, AOC

DAC · ACC · AEC · AOC · Optical Transceivers — the complete engineer's framework for choosing the right interconnect for every link in your AI

Data Center Optical Transceiver Market Size, Share, Trends

The global data center optical transceiver market was valued at USD 9.2 billion in 2025 and is projected to reach USD 21.3 billion by 2032, advancing at a compound annual growth rate (CAGR) of 12.9%

BlueOptics 800G OSFP Modules | Different Types Compared!

What is an 800G OSFP transceiver? 800G OSFP transceivers are a hot-pluggable optical module designed for very high bandwidth Ethernet links. "800G" simply means the module supports

NVIDIA Mellanox MMA4Z00-NS Data Center Optical Transceiver

This MMA4Z00-NS 800G OSFP SR8 transceiver operates over OM4 (50 meters) and OM5 (70 meters) multimode fiber using 8 parallel lanes at 100G PAM4 per lane, compliant with

800G OSFP/QSFP-DD | Transceiver Modules

FS provides an expanding portfolio of 800G OSFP/QSFP-DD solutions featuring high-performance, high-bandwidth, and backward compatibility. The 800G transceiver modules are ideal choice for AI

HTF DWDM equipment,OTN Solution,QSFP28 OSFP

OCS OCS Optical AI and Data Center Networking 200G QSFP-DD/QSFP56 400G QSFP-DD/OSFP/QSFP112 800G QSFP-DD/OSFP 1.6T OSFP-XD

800G OSFP Transceiver: Performance Analysis for AI

The complete guide evaluates 800G OSFP standards, which describe different available module types while inspecting thermal behavior and

Optical Interconnect Technology Analysis: LPO, NPO,

Exploring optical interconnects for AI data centers: LPO for low-power, short-distance links, NPO for high-density, near-package connections,

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

Complete OSFP form factor guide: dimensions, 8-lane architecture, thermal design, module types, and OSFP vs QSFP-DD comparison for data

Cisco OSFP 800G Transceiver Modules Data Sheet

The modules comply with the OSFP MSA configuration with integrated closed top heat sink. These transceivers are used in AI applications for both front-end and back-end networks as well as other

800G Optics

This optics series is designed to address rapidly expanding 800GbE routing and switching solutions. Use cases include wide area, data center and AI/ML cluster

Why 1.6T Optical Transceivers Overtake 800G in 2026

Which Fiber Connector Types Support 1.6T OSFP Transceivers for High-Density Data Center Deployments? 1.6T OSFP transceivers require MPO-16 connectors

800G Optical Modules Explained: Standards, Types

Discover everything about 800G optical modules—standards, packaging, types & applications. Learn how they power AI, HPC & next-gen data

OSFP vs QSFP-DD Comparison | 800G Optical Module Form Factors

Introduction As data centers transition to 800G networking, the choice of optical module form factor becomes a critical decision impacting performance, density, thermal management, and

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

As AI workloads grow exponentially, OSFP's scalability, cooling efficiency, and high power budget make it the preferred solution for AI-native data centers worldwide.

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.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.sabineamsee.co.za>

Email: info@sabineamsee.co.za

Phone: +27 82 415 6793

Address: Unit 7, Innovation Park, 34 Electron Road, Kempton Park, 1620, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

