

# Singapore OSFP Optical Transceiver Module



## Overview

OSFP (Octal Small Form Factor Pluggable) is a pluggable optical transceiver interface standard that supports eight electrical lanes (Tx/Rx) per module. Each lane can operate up to 100G PAM4, allowing total bandwidths of 400G or 800G depending on configuration. Arista Networks OSFP-400G-DR4 Compatible 400GBASE-DR4 OSFP Finned Top PAM4 1310nm 500m DOM MPO-12/APC SMF Optical Transceiver Module, Breakout to 4 x 100G-DR - FS. com Singapore FS Singapore FREE SHIPPING on Orders Over SGD99 GST excl. Contact Us Singapore / S\$ SGD Sign in Sign up Search Recent. As hyperscale data centers shift toward AI-optimized fabrics and ultra-high-bandwidth switching platforms, the OSFP (Octal Small Form-Factor Pluggable) form factor has become central to next-generation optical architectures. Designed for high thermal capacity, electrical scalability, and forward. Built-in Inphi DSP Chip, Max. Power Consumption 11W No FAQ Found. SFP transceivers are high-speed modules essential for connecting network devices. Known for their high data rates, long-distance transmission capabilities, strong anti-interference features, high security, and energy efficiency. The 800G OSFP 2\*FR4 optical transceiver represents a pivotal shift in high-density networking, providing the necessary bandwidth to support the explosive growth of artificial intelligence and machine learning workloads.

## Article Content

Sep 12, 2025

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

The OSFP standard marks a pivotal step toward scalable 400G and 800G optical networking, designed from the ground up for AI, cloud, and HPC infrastructures. With open MSA

Jun 04, 2026

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

OSFP (Octal Small Form Factor Pluggable) is a pluggable optical transceiver interface standard that supports eight electrical lanes (Tx/Rx) per module. Each lane can operate up to 100G

Oct 10, 2025

NVIDIA/Mellanox MMA4Z00-NS-T Compatible Coherent

NVIDIA/Mellanox MMA4Z00-NS-T Coherent VCSEL & Broadcom DSP Compatible OSFP-800G-2xSR4 OSFP PAM4 Optical Transceiver Module, Support

Apr 12, 2026

OSFP OCTAL SMALL FORM FACTOR PLUGGABLE MODULE

The OSFP module shall operate within one or more of the case temperature ranges defined in Table 8-1. The temperature ranges are applicable between 60m below sea level and 1800m above sea level.

Jul 21, 2025

Optical Transceiver Solutions for Cloud Performance

Explore advanced optical transceiver technology for hyperscale environments, ensuring performance and reliability across platforms.

Oct 15, 2025

Hermesys Delivers 800G-Compatible SFP Transceivers to Singapore Data ...

It's important to note that the 800G OSFP SR8 SFP transceiver module is a hot-swappable device designed for 800G SR8 Ethernet links in data

Jul 12, 2025

Third-Party Optical Transceivers Market Report 2025 with Growth ...

Third-Party Optical Transceivers Market Third-Party Optical Transceivers Market  
Dublin, May 28, 2025 (GLOBE NEWSWIRE) -- The "Third-Party Optical Transceivers  
Market by Data Rate,

May 01, 2026

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

Dec 07, 2025

1.6T OSFP 2xDR4/DR8, 1310nm, 500m, DDM, CDR,

The MJ-OSFP1.6TB-DR8 is a cost-effective, high-performance OSFP module tailored for  
AI datacenter applications, delivering an aggregate throughput of 1.6

Jul 31, 2025

1.6T OSFP Transceivers | Optical Transceivers | Amphenol

HIGH-SPEED OSFP TRANSCEIVER FOR 800G/1.6T WITH 200G PER LANE Amphenol's  
200G/lane optical modules support DR4, FR4, 2xDR4,

Jul 25, 2025

Senior Optical Transceiver Validation Engineer at HyperLight ...

You will work across firmware, DSP, optics, and hardware to ensure our QSFP/OSFP-  
based modules meet performance, reliability, and interoperability requirements.

Jan 20, 2026

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

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

Nov 01, 2025

HPE Aruba J9151E Networking 10G SFP+ LC LR 10km SMF Transceiver

HPE Aruba J9151E 10G SFP+ LC LR is a high-performance optical transceiver module  
designed for long-distance 10GbE fiber connectivity. It enables stable and efficient  
data transmission over single

Jun 16, 2026

Next-Generation Connectivity: The Rise of 800G OSFP 2\*FR4 Optical ...

1. Summary The 800G OSFP 2\*FR4 optical transceiver represents a pivotal shift in high-density networking, providing the necessary bandwidth to support the explosive growth of artificial

Jun 09, 2026

Kyocera Develops Pluggable Optoelectronic Module

Kyocera Corporation (President: Hideo Tanimoto, hereinafter "Kyocera") is pleased to announce the development of a pluggable optoelectronic

Jul 11, 2025

Arista Networks OSFP-400G-DR4 Compatible 400GBASE-DR4

The Arista Networks OSFP-400G-DR4 Compatible OSFP optical transceiver module is designed for 400GBASE Ethernet throughput up to 500m link lengths over OS2 singlemode fibre (SMF) using a

May 13, 2026

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

As hyperscale data centers shift toward AI-optimized fabrics and ultra-high-bandwidth switching platforms, the OSFP (Octal Small Form-Factor Pluggable) form factor has become central

Oct 28, 2025

HPE S0G21A Instant On 10G SFP+ LR LC 10km SMF Optical Transceiver ...

HPE S0G21A Instant On 10G SFP+ LR LC optical transceiver delivers reliable 10GbE connectivity over single-mode fiber up to 10km. Ideal for enterprise networks, data centers, and long-distance fiber

Nov 22, 2025

Optical Modules Market Research Report 2034

Optical Modules Market Outlook 2025-2034 The global optical modules market was valued at \$14.8 billion in 2025 and is projected to reach \$39.6 billion by 2034,

Apr 16, 2026

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,

Jul 20, 2025

Cisco Transceiver Modules

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+.

Feb 25, 2026

Hermesys Delivers 800G-Compatible SFP

It's important to note that the 800G OSFP SR8 SFP transceiver module is a hot-swappable device designed for 800G SR8 Ethernet links in data

Mar 29, 2026

POET, Lessengers develop 1.6T 2xDR4 optical module | POET Stock

POET (NASDAQ: POET) and Lessengers announced a joint development of a 1.6T 2xDR4 optical transceiver module targeting AI clusters and hyperscale data centers. Samples are

Feb 14, 2026

XPO: Redefining Pluggable Optics for AI Networking

While the industry-standard OSFP (Octal Small Form-Factor Pluggable) module has successfully enabled 400Gbps, 800Gbps, and 1.6Tbps optical pluggable modules , it is limited to 32 modules

Dec 09, 2025

Cisco OSFP-SR8-400G Optical Transceiver Module

Home Networking Transceiver Cisco OSFP-SR8-400G Optical Transceiver Module (Silver)

Feb 06, 2026

Optical Transceiver Market Size, Share, Industry Report

Optical Transceiver Market Size The global optical transceiver market was valued at USD 13.4 billion in 2025. The market is expected to grow from USD 15.4 billion in

Sep 12, 2025

Exploring the World of 400G OSFP Transceiver: Types,

The Optical Small Form Factor Pluggable (OSFP) transceiver is a next-generation transceiver module rapidly gaining traction in high-speed

## Contact Us

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