

Oman Active Optical Device OSFP



Overview

OSFP is a new pluggable form factor that supports eight high-speed electrical lanes that will initially support 400 Gbps (8x50G or 4x100G). It is slightly broader and deeper than the QSFP-DD but still supports 32 OSFP ports per 1U front panel and 14. This specification defines the electrical connectors, electrical signals and power supplies, and mechanical and thermal requirements of the OSFP and OSFP-RHS module, connector, and cage systems. The OSFP management interface is described in a separate document: "Common Management Interface. Our active optical cable assembly portfolio provides improved cable flexibility and longer reach as compared to both traditional passive copper and emerging active copper (ACC/AEC) solutions, supporting high performance computing, data center and networking interconnect applications. This document provides a common.



Article Content

Nov 16, 2025

Welcome to OSFPmsa

A: The OSFP is a pluggable form factor with 8x high speed electrical lanes that support up to 400 Gbps (8x50G), 800 Gbps (8x100G), or 1.6 Tbps (8x200G). Up to 36 OSFP ports are supported in 1 U front ...

Jan 11, 2026

OSFP Connectors 2025: Design, QSFP-DD Comparison, and ...

OSFP modules are slightly larger than QSFP-DD modules, but this size increase allows for better heat dissipation and higher power envelopes (up to ~16 W), making them ideal for next ...

Jun 05, 2026

OSFP1600_and_OSFP-XD

The OSFP MSA is proud to introduce OSFP1600 and OSFP-XD to the industry. This whitepaper highlights the key aspects and features of each solution with the expectation that both solutions will ...

Jun 21, 2026

Understanding OSFP Cable Assemblies: The Key to ...

Discover how OSFP cable assemblies revolutionize data interconnect solutions, supporting 400G speeds and advanced signaling like PAM4 for data ...

Oct 08, 2025

OSFP Optical Transceiver MSA Spec

This specification defines the electrical connectors, electrical signals and power supplies, mechanical and thermal requirements of the OSFP Module, connector and cage systems. The OSFP ...

Sep 26, 2025

OSFP Connectors 2025: Design, QSFP-DD ...

OSFP modules are slightly larger than QSFP-DD modules, but this size increase allows for better heat dissipation and higher power envelopes (up to ~16 ...

Sep 13, 2025

SFP, QSFP, QSFP-DD, OSFP Active Optical Cable Assemblies

Our active optical cable assembly portfolio provides improved cable flexibility and longer reach as compared to both traditional passive copper and emerging active copper (ACC/AEC) solutions, ...

Jul 01, 2026

Understanding OSFP Cable Assemblies: The Key to High-Speed Data ...

Discover how OSFP cable assemblies revolutionize data interconnect solutions, supporting 400G speeds and advanced signaling like PAM4 for data center efficiency.

Jan 15, 2026

400G OSFP Transceiver Optics Overview

OSFP is a new pluggable form factor that supports eight high-speed electrical lanes that will initially support 400 Gbps (8x50G or 4x100G). It is slightly broader and deeper than the QSFP ...

Mar 16, 2026

15m (49ft) Generic Compatible 800G OSFP Finned Top Active Optical ...

This cable is a 2x 400Gb/s twin-port OSFP (Octal Small Form-factor Pluggable) to 2x 400Gb/s twin-port OSFP active optical cable (AOC). It integrates eight high-speed electrical pairs, each supporting up ...

Jul 09, 2026

OSFP MSA Rev 5

This specification defines the electrical connectors, electrical signals and power supplies, and mechanical and thermal requirements of the OSFP and OSFP-RHS module, connector, and cage ...

Contact Us

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