

# Gulf Region CIF Optical Transmitter OSFP



## Overview

The OSFP-800G-2xFR4L is designed to operate in switch and router applications supporting OSFP MSA compliant traffic for up to 6km links. 850 Gigabit signal is carried over 2xCWDM4 lanes. 25Gb/s. OSFP-XD MSA Rev 1. 11 Specification for OSFP-XD Octal Small Form Factor eXtra Dense Pluggable Module is posed in the specification section of the website, to correct the figure 4-11 in the OSFP-XD MSA Rev 1. 22:.. 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 400G OSFP/QSFP112/QSFP-DD solutions featuring high-performance, high-bandwidth, and backward compatibility. The 400G transceiver modules are ideal choice for AI data centers, enterprise networks and service provider networks. Capable of transmitting 400 Gbps over 120 km, Lumentum OSFP 400ZR coherent. This specification defines the electrical connectors, electrical signals and power supplies, mechanical and thermal requirements of the OSFP Module, connector and cage systems.

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The product supports 800Gbps transmission speeds in an industry-standard, pluggable OSFP form factor with 5nm DSP and can be widely used in metro carrier, access and Cloud/DCI applications.



Qualified for use across Juniper's 800GbE-capable PTX and QFX product families, Juniper offers an expanding portfolio of 800G optical transceivers in both QSFP-DD800 and OSFP800 formfactors. ...



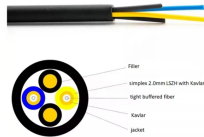
By moving the 6.4T optical engine closer to the switch ASIC, these solutions overcome the electrical reach limitations of traditional copper traces, significantly reducing power consumption and ...



The 800G Digital Coherent Optics (DCO) family of transceivers are available in two small form-factors, QSFP-DD and OSFP, which enable them to plug directly into routers/switches for IP-over-DWDM.



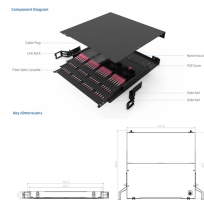
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The OSFP module contains a PCB with contact pads (i.e., module PC board; paddle card) that mate with a connector as specified in section 5.10 of this document. Critical dimensions for the contact ...



It is compliant with IEEE 802.3 800GBASE-VR8 and OSFP MSA module requirements with integrated heat sink. Optical signals are carried over eight pairs of parallel lanes, with one ...



The Lumentum 400ZR module on an OSFP form factor is designed for use by hyperscale data center operators and peering networks to provide high bandwidth interconnections in an industry standard, ...



Q: Are OSFP and OSFP-XD Interoperable/Cross-compatible? A: No, due to mechanical and electrical differences, OSFP modules are not compatible with OSFP-XD ports, and vice-versa.



The 800G optical transceiver pinout is compliant with the OSFP MSA specifications. The figure below shows the module connector pad layout, and the table below lists and describes all the electrical pins ...

## Contact Us

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