ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Uruguay Low Power Optical Module OSFP



Overview

The OSFP-XD DR8+ module combines state-of-the-art 200G per lane optical technologies and industry-leading digital signal processing techniques. 6Tbps of transmission speed over 2km distance at a low power consumption of less than 23W over 0-70C temperature. 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 Management interface is described in a separate document, Common Management Interface Specification for 8/16X. 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. The OSFP-1. 6T-2xDR4H can convert 8x212Gb/s electrical data to 8x212Gb/s optical signals. 6Tbps, helping data centers meet AI-driven capacity demands with minimal. cations applications. The high-bandwidth module supports dual 400G Ethernet connections or a single 800G Ethernet connection over two duplex single-mode fiber cables via two standard LC duplex receptacle optical connec ors up to 2 km reach.



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Article Content

OSFP OCTAL SMALL FORM FACTOR PLUGGABLE MODULE

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

OSFP MSA Rev 5.0

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1.6Tb/s Twin-port XDR OSFP 2xDR4 1310nm 500m Optical Transceiver

Description The OSFP-1.6T-2xDR4H is a cost-effective module with high performance, which is optimized for AI Datacenter, supporting data-rate of 8x212Gb/s PAM4 Optical interface and

OSFP Connector System

OSFP connectors are slightly larger than QSFP-DD connectors but offer increased thermal performance and signal integrity at high data rates. The OSFP system

FEATURES APPLICATIONS 800G OSFP 2xF

The optical transceiver supports a full CMIS-compliant set of control, alarm, and monitoring features through a standard I2C management interface, as well as low-speed control pins which support

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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