

# Cost Single-fiber Bidirectional OSFP



## Overview

6TB-DR8 is a cost-effective, high-performance OSFP module tailored for AI datacenter applications, delivering an aggregate throughput of 1.6 Tb/s via eight channels of 212 Gb/s PAM4 on both its optical and electrical interfaces. It supports transparent bidirectional. 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. A bidirectional SFP (BiDi SFP) provides an efficient solution by enabling data transmission and reception over a single strand of optical fiber. Capable of transmitting 400 Gbps over 120 km, OSFP 400ZR coherent module features. Compact small form-factor pluggable CSFP transceiver and a compact small form-factor CSFF transceiver supports network systems, especially those deploying single-fiber bidirectional transceivers in high density applications. This guide gives you the complete picture. Our study of OSFP transceiver technology will begin with basic concepts and continue until we reach advanced technical.

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Designed for 1G switches, routers, servers, NICs, and other transmission equipment across access and aggregation networks, it provides a cost-effective solution for stable 1G links over short to extended ...



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 Tb/s via eight channels of 212 Gb/s PAM4 on ...



Utilizing the latest in house SiPho Coherent Optical Subassembly (COSA) and nano-ITLA, this module delivers superior cost/performance for applications ranging from data-center interconnects to router ...



It delivers 800Gbps of aggregate bandwidth through 8 parallel single-mode fiber channels, each operating at 100Gbps using 100G-PAM4 modulation. The module features an MPO-16/APC ...



Master OSFP transceiver technology with our comprehensive guide. Covers 400G/800G/1.6T speeds, OSFP vs QSFP-DD comparison, thermal management, and AI ...



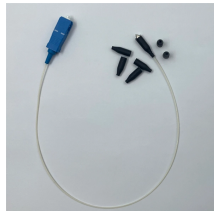
Learn how to choose the right bidirectional SFP for single-fiber links. Compare wavelengths, distances, and compatibility to optimize your optical network.



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These highly integrated compact transceiver modules will enable network system vendors to increase port density and data throughput, while reducing network equipment cost.



FIBCONET's RSPD-01C120-xx Transceiver is a high performance, cost effective module which have a duplex LC optics interface. Standard AC coupled CML for high speed signal and LVTTTL control and ...



TE's Octal Small Form Factor Pluggable (OSFP) connectors and cable assemblies support aggregate data rates from 200 Gbps up to 1.6T, enabling data center architectures to scale with evolving ...



An OSFP-RHS cage has a lower height than an OSFP cage and makes use of a riding heat sink for cooling. The forward stop feature in an OSFP-RHS cage is shifted compared with an OSFP cage to ...

## Contact Us

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