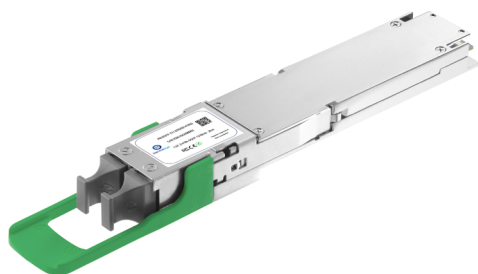


Optical Transceiver



1.6T 2*FR4 2KM OSFP-RHS

General Description

The 1.6T-2FR4 2km OSFP-RHS transceiver features OSFP1600 form factor, supports 8×200G Ethernet with and 1.6Tb/s aggregate bit rate, integrates EML lasers and PIN receivers, offers 2×800GBASE-FR4 optical and 2×800GAUI-4 electrical interfaces, supports up to 2km transmission, is CMIS 5.3 compliant, and provides digital diagnostics—ideal for high-speed data center interconnects.



OSFP Serial Optical Interface

- 2x800GBASE-FR4BASE-FR4 optical interface
- 2x800GAUI-4 C2M electrical interface
- Two wire serial Interface with digital diagnostic monitoring



OSFP MSA Compliant

- Hot-pluggable OSFP1600 form factor
- Compliant with OSFP MSA Specification Rev 5.1 type 2 housing with Dual LC/APC receptacle
- Compliant with CMIS Rev 5.3



Standards and Low Power Consumption

- Compliant with IEEE802.3dj D1p3
- Less than 30W in temperature range of 0 to 70 °C

Optical Transceiver

Technical Data

Model	1.6T-2FR4 2km OSFP-RHS	Transmission rate	1.6 Tb/s (8×200G)
Package Type	OSFP 1600	Transmission distance	Up to 2 km
Wavelength	1264.5 - 1277.5nm 1284.5 - 1297.5nm 1304.5 - 1317.5nm 1324.5 - 1337.5nm	Fiber type	Single Mode Fiber (SMF)
Connector	Dual LC / PC	Receiver type	PIN
Transmitter type	EML	Commercial Temperature	0~70 °C
Data diagnosis	Yes	Receiver sensitivity	Min. -3.7dBm (OMAouter)
Transmitted optical power	-2.2 to 4.9 dBm per lane, total ≤ 10.9 dBm	Receive overload	Max. 4.9dBm per lane
Power Supply Voltage	3.135 - 3.465V	Extinction Ratio	≥ 3.5 dB
Power Consumption	≤ 30 W (normal) ≤ 2 W (low power mode)	Packaging scheme	OSFP MSA Rev 5.1 Type 2
Modulation	PAM4	FEC function	Yes
Application	Ethernet	Warranty	3 Years
Protocol	IEEE 802.3dj D1p3 compliant (host-based FEC)	Brand	Hermesys

Order Information

PART NUMBER	DESCRIPTION
OSFP-21A6020H1D-RH	OSFP SM 1.6T 2KM FR4 DUPLEX LC RHS