

1.6T-OSFP224-2DR4 1.6T 2xDR4/DR8 OSFP224 RHS/Flat Top 8 x 200G PAM4 1310nm 500m Dual MPO-12/APC

SMF Top-closed-fin Transceivers

Quick Details

Part number:VC-OSFP224-2DR4

Connector Type: Dual MTP/MPO-12 APC

Form Factor: Twin-port OSFP RHS/Flat Top

Wavelength: 1310nm

Distance:500m

Fiber Type: SMF

Description

This product is an 1600Gb/s Octal Small Form-factor Pluggable (OSFP) optical module with top closed fin designed for 500m optical communication applications. The module converts 8 channels of 200Gb/s (PAM4) electrical input data to 8 channels of parallel optical signals via integrated silicon photonics optical path, each capable of 200Gb/s operation for an aggregate data rate of 1600Gb/s. Reversely, on the receiver side, the module converts 8 channels of parallel optical signals of 200Gb/s each channel for an aggregate data rate of 1600Gb/s into 8 channels of 200Gb/s (PAM4) electrical output data. An optical fiber cable with dual MPO-12 connector can be plugged into the OSFP112 2x DR4 module receptacle. Proper alignment is ensured by the guide pins inside the receptacle. The cable usually cannot be twisted for proper channel to channel alignment. Electrical connection is achieved through an OSFP MSA-compliant edge type connector.

Features

- OSFP form factor hot pluggable
- CMIS compliance
- 8 channels of 200G-PAM4 electrical and optical parallel lanes
- Dual Optical port of MPO-12/APC
- Top closed fin
- 500m maximum reach via single mode fiber
- 32 Watts max
- Case temperature range of 20°C to 70°C

Applications

- 1x1.6Tb/s Ethernet
- 2x800Gb/s Ethernet
- 4x400Gb/s Ethernet
- 8x200Gb/s Ethernet

Specifications

Part No.	VC-OSFP224-2DR4	Form Factor	Twin-port OSFP RHS/Flat Top
Distance	500m	Wavelength	1310nm
Transmitter Type	EML	Connector	Dual MTP/MPO-12 APC
Receiver Type	PIN	Media	SMF
TX Power	-3.3~4dBm	Minimum Receiver Power	-6.3dBm
Power Budget	3dB	Receiver Overload	4.0dBm
Max. Power Consumption	30W	Extinction Ratio	≥3.5dB
DDM/DOM	Supported	Commercial Temperature Range	0 to 70°C
Modulation (Electrical)	8x 200G-PAM4	Modulation (Optical)	Dual 4x 200G-PAM4