

800G OSFP224 MMF MPO Duplex 850nm

Variants

150M-OM4 100M-OM4

Details

800G OSFP224 850nm Multimode Transceiver Module

Overview

The **800G OSFP224 MMF Transceiver** is designed for ultra-high-speed data transmission over multimode fiber (MMF). Operating at **850 nm wavelength**, it provides **800 Gbps Ethernet connectivity** for modern data centers.

It uses an **MPO-16 interface** for parallel optical transmission and is ideal for short-reach interconnections between switches, routers, and servers in **HPC and hyperscale environments**.

Key Features

Form Factor	OSFP, Hot-pluggable
Data Rate	800 Gbps (8 × 100G PAM4)
Wavelength	850 nm VCSEL Array
Connector	MPO-16 Female
Reach	100 m (OM4) / 150 m (OM5)
Diagnostics	DDM (Digital Diagnostics Monitoring) Supported
Power Consumption	? 15 W
Standards	OSFP MSA, IEEE 802.3db, RoHS, CE

Optical & Electrical Specifications

Parameter	Specification
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Data Rate	800 Gbps (8 × 100G PAM4)
Wavelength	850 nm
Fiber Type	OM3 / OM4 / OM5 Multimode Fiber
Connector	MPO-16
Reach	100 m (OM4) / 150 m (OM5)
Transmit Type	VCSEL Array
Receive Type	PIN Photodiode Array
Tx Power (per lane)	-4.0 to +3.0 dBm
Rx Sensitivity (per lane)	? -6.0 dBm
Extinction Ratio	? 3.0 dB
Power Supply	3.3 V DC
Operating Temperature	0 °C to +70 °C
FEC Requirement	KP4 FEC Required
MTBF	> 1,000,000 Hours

Applications

800G Ethernet
Data Center Interconnects
Cloud & AI Infrastructure
High Performance Computing (HPC)
Infiniband NDR Links

Mechanical Dimensions

Form Factor	OSFP Type 224
Width	22.58 mm

Length	107.8 mm
Height	13.0 mm

Ordering Information

Model	Description	Reach
MMF-100	800G OSFP224 MMF MPO 850 nm	100 m (OM4)
MMF-150	800G OSFP224 MMF MPO 850 nm	150 m (OM5)

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