

The Hyper Photonix HSOM-T16-DR-P8S9 transceiver is designed for 1.6T Ethernet and InfiniBand communication application links over 500m of single-mode fiber (SMF), and it is compliant with OSFP MSA, CMIS 5.3, IEEE802.3dj standards. The optical signal is transmitted over eight parallel channels at a central wavelength of 1310nm. The module contains 8 parallel channels on the transmitter and receiver, each operating at 212.5Gbps. It is suitable for 1.6T Ethernet, Data Center, InfiniBand, Breakout 2x800G DR4 or 8x200G DR Application. The optical interface is Dual MPO-12/APC connector.

Features

- SFP MSA 5.22 and CMIS 5.3 compliant
- Dual MPO-12/APC optical connector
- 8x212.5Gbps (106.25GBd PAM4) electrical interface
- 8x212.5Gbps (106.25GBd PAM4) optical interface
- Up to 500m over SMF
- Power dissipation $\leq 25W$
- Operating case temperature: 0°C to 70°C
- Compliant with IEEE802.3dj :
1.6TBASE-DR8 and 1.6TAUI-8 C2M
- Built-in digital diagnostic functions
- 3.3V power supply voltage
- RoHS compliant



Applications

- 1.6T Ethernet
- Data center networks
- InfiniBand XDR

Specifications

Part Number	HSOM-T16-DR-P8S9
Data Rate	1.6Tb/s
Supply Voltage	3.3V
Power Consumption	$\leq 25W$
Wavelength	1310nm
Optical Connector	MPO-12/APC
Transmitter	<i>Hyper Silicon™ Photonics</i>
Case Temperature	0°C to 70°C
Reach	500m