

The Hyper Photonix HSD1-400-SR-C5S transceiver supports multimode fiber (MMF) link lengths of up to 100m via MTP/MPO-16 connectors. It supports eight electrical interface channels that operate in 50G PAM4 coding mode to produce 400G (8x50G) data rates. It is compliant with the IEEE 802.3cm protocol and the 400GAUI-8/CEI-56G-VSR-PAM4 standard. The multiplexing and demultiplexing of eight wavelengths are managed within the device and connect 400G signals from the server side (NIC) to the data center aggregation switch.

Features

- QSFP-DD MSA compliant
- QSFP-DD CMIS4.0 management interface compliant
- IEEE 802.3cm 400GBASE-SR8 standard compliant
- IEEE 802.3bs 400GAUI-8 standard compliant
- Digital diagnostic functions
- 8-channel full-duplex transceiver module
- 425 Gbit/s aggregate bit rate
- Maximum link length of 70 m OM3, 100 m OM4 with FEC
- Single MPO-16/APC receptacle
- Maximum power dissipation < 10 W
- Operating case temperature range 0 to 70 °C
- Single 3.3 V power supply
- RoHS 2 compliant



Applications

- 400G Ethernet
- Data center networks

Specifications

Part Number	HSD1-400-SR-C5S
Data Rate	400Gbps
Supply Voltage	3.3V
Power Consumption	<10W
Case Temperature	0°C to 70°C
Reach	70m OM3, 100m OM4 with FEC