

The Hyper Photonix 400GBASE-DR4 QSFP-112 transceiver is designed for 400G Ethernet communication application links over 500m of single-mode fiber(SMF), and it is compliant with QSFP112 MSA, CMIS 4.0, IEEE 802.3bs, and 802.3ck standards. The optical signal is transmitted over four parallel channels at a central wavelength of1310nm. The module contains 4 parallel channels on the transmitter and receiver, each operating at 106.25Gbps. The optical interface is MTP/MPO-12 APC connector.

Features

- QSFP112 MSA 2.1.1 and CMIS 4.0 compliant
- MPO-12 APC connector
- 4x106.25Gbps (53.125GBd PAM4) electrical interface
- 4x106.25Gbps (53.125GBd PAM4) optical interface
- Up to 500m over SMF
- Power dissipation ≤ 10W
- Operating case temperature: 0°C to 70°C
- IEEE 802.3bs 400GBASE-DR4 compliant
- Built-in digital diagnostic functions
- 3.3V power supply voltage
- RoHS compliant



Applications

- 400GBASE-DR4 Ethernet
- Data center networks

Specifications

Part Number	HSQ4-400-DR-C2S
Data Rate	400Gbps
Supply Voltage	3.3V
Power Consumption	≤ 10W
Wavelength	1310nm
Optical Connector	MTP/MPO-12 APC
Transmitter	Hyper Silicon™ Photonics
Case Temperature	0°C to 70°C
Reach	500m over SMF