

The Hyper Photonix HSQ2-100-DR-C2S transceiver is designed for up to 500m optical communication applications and is compliant with IEEE 802.3cu 100GBASE-DR standard. The module converts 4-channel 25.78125 Gbps electrical data to a 1-channel 106.25 Gbps optical output signal. The receiver converts a 1- channel 106.25 Gbps optical input signal to 4-channel output electrical data.

Features

- QSFP28 MSA compliant
- IEEE 802.3cu compliant
- 106.25Gbps optical transmission
- 4x25.78125 CAUI-4 host interface
- Up to 500 m transmission over SMF
- Power consumption ≤ 4.0W
- Operating case temperature: 0°C to 70°C
- LC connector
- Non-hermetic package design
- Single 3.3 V power supply
- RoHS 2 compliant



Applications

- 100GBASE-DR Ethernet
- Data center networks

Specifications

Part Number	HSQ2-100-DR-C2S
Data Rate	100Gbps
Supply Voltage	3.3V
Power Consumption	≤ 4.0W
Wavelength	1310nm
Optical Connector	LC
Case Temperature	0°C to 70°C
Reach	500m over SMF