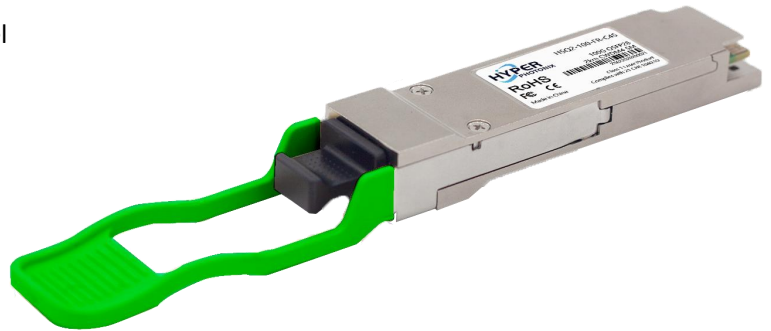The Hyper Photonix HSQ2-100-FR-C4S transceiver is a Four-Channel, Pluggable, dual LC, Fiber-Optic QSFP28 Transceiver for 100G Ethernet applications. The QSFP28 full-duplex optical module offers 4 independent transmit and receive channels, each capable of 26Gbps operation for an aggregate data rate of 104Gbps 2km using single mode fiber. These modules are designed to operate over single mode fiber systems using 1271nm- 1331nm DFB laser array. QSFP28 CWDM4 is one kind of transceiver which provides increased port density and total system cost savings. They are compliant with the QSFP28 MSA, CWDM4 MSA and portions of IEEE P802.3bm.

Features

- Four-channel full-duplex transceiver modules
- Transmission data rate up to 26Gbit/s per channel
- Up to 2km transmission of single mode fiber
- Low power consumption <3.5W
- Operating case temperature 0℃ to +70℃
- 3.3V power supply voltage
- RoHS 6 compliant
- Hot Pluggable QSFP form factor
- LC connector receptacle
- Built-in digital diagnostic function

Applications

- 100G Ethernet
- Proprietary High Speed Interconnections
- Datacenter
- 100G CWDM4 application with FEC

Specifications

Part Number	HSQ2-100-FR-C4S
Data Rate	100G
Supply Voltage	3.3V
Power Consumption	<3.5W
Optical Connector	Dual LC
Transmitter	DFB
Receiver	PIN
Case Temperature	0°C to 70°C
Reach	2km