

The Hyper Photonix HSQ2-100-SR-C5S is a 4x25Gb/s, pluggable Optical Transceiver Module for short-range data communication and interconnect applications. The module has four channels in each direction with 100Gb/s aggregate bandwidth. Each channel operates up to 25Gb/s, and up to 70m using OM3 fiber or 100m using OM4 fiber. The electrical interface uses a 38-contact edge type connector, compliant with SFF-8636. The optical interface uses a 12-fiber MPO connector.

### Features

- Support 100GBASE-SR4/100G Fiber Channel application
- Compliant to QSFP28 Electrical MSA SFF-8636
- Multi rate of up to 25.78125Gbps
- Transmission distance up to 100m (OM4)
- +3.3V single power supply
- Low power consumption
- Operating case temp Commercial: 0°C to +70 °C
- RoHS compliant

### Applications

- 100GBASE-SR4 at 25.78125Gbps per lane
- InfiniBand QDR, EDR
- Other optical links



### Specifications

Part Number	HSQ2-100-SR-C5S
Data Rate	100Gbps
Supply Voltage	3.3V
Power Consumption	< 2.5W
Wavelength	850nm
Optical Connector	MPO-12
Transmitter	Vcsel
Receiver	PIN
Case Temperature	0°C to 70°C
Reach	100m on OM4 fiber