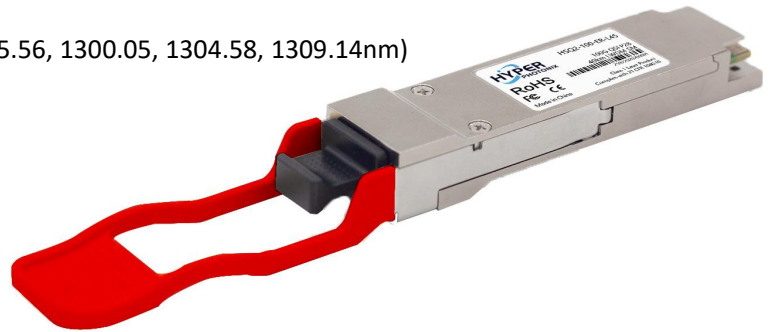


The Hyper Photonix HSQ2-100-ER-L4S transceiver is designed with duplex LC connectors, reaching a link up to 40km over single-mode fiber(OS2), which is compliant with IEEE 802.3ba 100GBASE-ER4 Lite, QSFP28 MSA Compliant standard. Besides, DDM (digital diagnostics monitoring) function is supported on the 100G fiber optic transceiver to achieve real-time operating parameters monitoring. With these features, this 100G QSFP28 transceiver is widely applied in 100G telecom connections, DCI, Metro network, and high-performance computing networks.

### Features

- Compliant to Ethernet 100GBASE-ER4
- Supports 103.1Gb/s aggregate bit rate
- Transmitter: cooled 4x25Gb/s LAN WDM TOSA (1295.56, 1300.05, 1304.58, 1309.14nm)
- Receiver: 4x25Gb/s APD ROSA
- Up to 40km reach for G.652 SMF
- Duplex LC optical receptacle
- 4x25G electrical interface (OIF CEI-28G-VSR)
- RoHS-10 compliant and lead-free
- Single +3.3V power supply
- Maximum power consumption 4.5W
- Case operating temperature
- Commercial: 0 ~ +70°C



### Applications

- 100GBASE-ER4 Ethernet Links
- Infiniband QDR and DDR interconnects
- Client-side 100G Telecom connections

### Specifications

| Part Number       | HSQ2-100-ER-L4S                |
|-------------------|--------------------------------|
| Data Rate         | 100Gbps                        |
| Supply Voltage    | 3.3V                           |
| Power Consumption | ≤ 4.5W                         |
| Wavelength        | 1310nm BandTx 1310nm/Rx 1310nm |
| Optical Connector | LC                             |
| Transmitter       | 4x 25GB/s LAN WDM TOSA         |
| Receiver          | PIN                            |
| Case Temperature  | 0°C to 70°C                    |
| Reach             | 40km                           |