

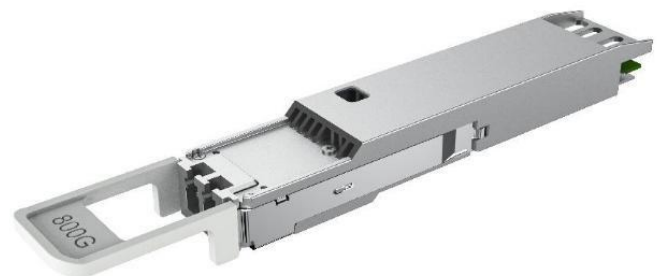
The Hyper Photonix 800G ZR+ HO OSFP Coherent Transceiver is a high performance, high output power, cost effective pluggable DCO module compatible with various switches and routers for optical data communication applications. The module supports 800G Metro IP over DWDM applications without inline chromatic dispersion compensation.

The 800G ZR+ HO OSFP Coherent Transceiver is a C-Band tunable coherent optical module, combines high performance 5nm coherent DSP ASIC functionality with best in class ultra-narrow line-width tunable lasers, high speed modulators and high responsively coherent receivers to deliver high performance at 800G ZR+ PCS DP-16QAM modulation format. With EDFA and VOA inside the TX optical path, the module supports output optical power up to 0dBm and supports power configurable.

The 800G ZR+ HO OSFP coherent transceiver mechanical dimensions, connectors and footprint conform to OSFP MSA. The module is 22.58 mm x 116.4 mm x 13.0 mm in size and hot pluggable by 76-PIN PAD host connector. Digital diagnostics functions are available via an I2C interface as specified by the OSFP MSA and OIF CMIS IA. The module power supply voltage is +3.3 V and typical power consumption is 29W.

### Features

- Compliant with OSFP MSA, Type 2 package with closed top heatsink
- Compliant with OIF 800ZR IA, OpenROADM MSA ver 7.0
- Client signal support 100GbE/200GbE/400GbE/800GbE
- C-band tunable, supports 150GHz grid spacing, support 0.1GHz fine turning
- EDFA inside, High output Power, minimum 0dBm at C-band
- Support ingress LF hold-off time configure
- Support hitless firmware upgrade
- Duplex LC connector
- Operating case temperature: 0°C to 75°C
- Single 3.3 V power supply
- Typical power consumption 29W
- RoHS 2 compliant



### Applications

- IP Over Metro DWDM
- Up to 80Km unamplified 800GbE P2P link

**Compliance**

- OIF-800ZRIA
- OpenROADMMSAver7.0
- OIF-CMIS-05.3 IA
- OIF-C-CMIS-01.3 IA
- OSFP-MSA-Rev5.0
- IEEEStd802.3
- OIF-CEI-05.0

**Specifications**

Part Number	HSOK-800-ZH-DMSA
Pack	OSFP
Rate	800Gbps
Supply Voltage	3.3V
Optical Connector	LC
Tx/RX	ICTR
Pout	-10~+1dBm
Case Temperature	0°C to 75°C
Reach	450km