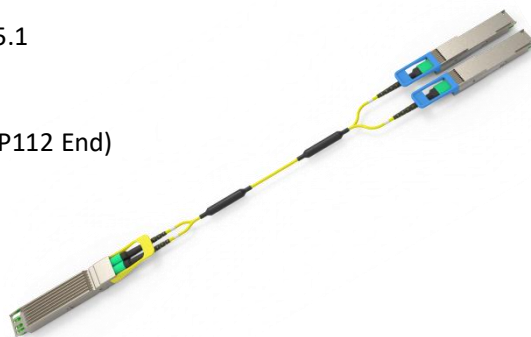


The Hyper Photonix HO6-800-2Q4-SXXX Breakout Active Optical Cable is designed for Ethernet and InfiniBand communication application links over single-mode fiber (SMF), and it is compliant with QSFP112 MSA, OSFP MSA, CMIS 5.1 and IEEE802.3ck standards. The HO6-800-2Q4-SXXX AOC is a high-performance, cost-effective modules. The module can enable an 800G to 2x400G breakout application. The built-in digital diagnostics monitoring (DDM) allows access to real-time operating parameters.

Features

- Compliant with OSFP MSA 5.0, QSFP112 MSA 2.1.1 and CMIS 5.1
- 8x106.25Gbps (53.125GBd PAM4) electrical interface
- Support 1m~100m Transmission with SMF
- Power dissipation: $\leq 16W$ (800G OSFP End), $\leq 9W$ (400G QSFP112 End)
- Operating case temperature: 0°C to 70°C
- Compliant with IEEE802.3ck
- Built-in digital diagnostic functions
- 3.3V power supply voltage
- RoHS compliant



Applications

- 800G to 2x400G Breakout Ethernet
- 800G to 2x400G Breakout InfiniBand NDR

Specifications

| Part Number | HO6-800-2Q4-SXXX |
|-------------------|---|
| Data Rate | 850Gbps |
| Supply Voltage | 3.3V |
| Power Consumption | $\leq 16W$ (800G OSFP End), $\leq 9W$ (400G QSFP112 End) |
| Wavelength | 1310nm |
| Case Temperature | 0°C to 70°C |
| Max Distance | XXXm where XXX = up to 100m |