

The Hyper Photonix HO6-800-106-SXXX Active Optical Cable is designed for 800G Ethernet and InfiniBand communication application links over single-mode fiber(SMF), and it is compliant with OSFP MSA, 800G Pluggable MSA, CMIS 5.1 and IEEE802.3ck standards. The HO6-800-106-SXXX AOC is a high-performance, cost-effective modules. It integrates eight data lanes in each direction with 8x106.25Gbps. The built-in digital diagnostics monitoring(DDM) allows access to real-time operating parameters.

### Features

- Compliant with OSFP MSA 5.0 and CMIS 5.1
- 8x106.25Gbps (53.125GBd PAM4) electrical interface
- Support 1m~100m Transmission with SMF
- Power dissipation  $\leq 17W$  (Single)
- 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 Ethernet
- Data center networks
- InfiniBand NDR

### Specifications

Part Number	HO6-800-106-SXXX
Data Rate	850Gbps
Supply Voltage	3.3V
Power Consumption	$\leq 17W$
Wavelength	1310nm
Case Temperature	0°C to 70°C
Lenth	XXXm where XXX = up to 100m