

The Hyper Photonix HSQ2-100-1-MF5M 100GBASE QSFP28 AOC is a 4x25Gb/s active fiber optic cable for short-haul datacom and interconnect applications. The AOC has four lanes in each direction with a total bandwidth of 100Gb/s. Using OM4 fiber, each lane can operate at speeds of up to 25Gb/s for up to 100 meters. Up to 100 meters. The electrical interface utilizes 38-contact edge-type connectors and is compliant with SFF-8636.

### Features

- Support 100GBASE-SR4 application
- Compliant to QSFP28 Electrical MSA SFF-8636
- Multi-rate up to 103Gbps
- 3.3V single power supply
- Power consumption  $\leq 2.5W$  each end
- Operating case temperature 0°C to 70°C
- RoHS compliant

### Applications

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

### Specifications

Part Number	HSQ2-100-1-MF5M
Data Rate	4x25Gbps
Supply Voltage	3.3V
Power Consumption	$\leq 2.5W$
Wavelength	850nm
Transmitter	VCSEL
Receiver	PIN
Case Temperature	0°C to 70°C
Reach	1-100m