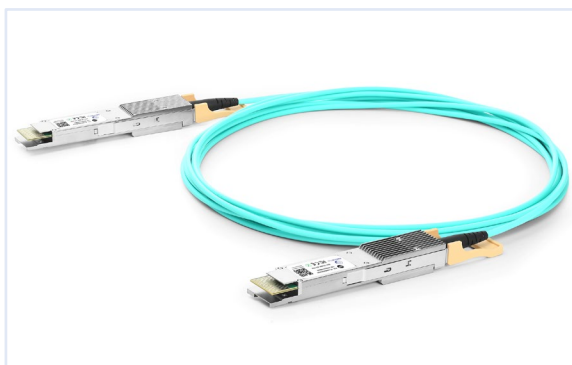


Optical Transceiver

800G QSFP-DD AOC

General Description

800G AOC is a QSFP-DD to QSFP-DD active optical cable for short-range data communication and interconnect applications. Each AOC has 8 duplex channels with 850Gbit/s aggregate bandwidth. Each channel operates with PAM4 modulation scheme at 53.125G baud rate, and up to 60m using OM3 fiber or 100m using OM4 fiber.



QSFP-DD Serial Optical Interface

- 8x100G PAM4 retimed 800GAUI-8 electrical interface
- Active Optical Cable
- 8 channel VCSEL arrays and 8 channels PIN photo detector arrays
- Maximum link length of 60m on OM3 or 100m on OM4



QSFP-DD MSA Compliant

- Hot Pluggable QSFP-DD form factor
- Compliant to QSFP-DD-Hardware-Rev 6.3 MSA
- Compliant with CMIS 5.2



Standards and Low Power Consumption

- Compliant to IEEE 802.3db
- Compliant to IEEE 802.3ck
- Less than 14W per cable end in temperature range of 0 to 70°C

Optical Transceiver

Technical data

Part Number	800G QSFP-DD AOC	Brand	Hermesys
Package Type	QSFP-DD	Transmission rate	850Gbps(8x 106.25Gbps)
Wavelength	860nm	Transmission distance	xx
Connector	MPO	Fiber type	Multimode MMF
Transmitter type	VCSEL	Receiver type	PIN
Data diagnosis	Yes	Commercial Temperature	0~70℃
Power Consumption	≤14W	Packaging scheme	COB package (chip on board package)
Modulation	PAM4	FEC function	Yes
CDR (Clock Data Recovery)	Transmitter and receiver built-in CDR	Warranty	3 years
Protocol	IEEE802.3ck, IEEE802.3db QSFP-DD MSA		