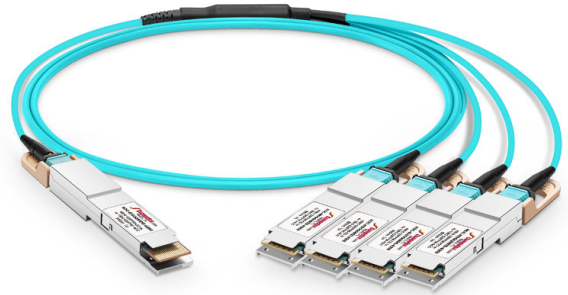


400G QSFP56-DD to 4x 100G QSFP56 Breakout Active Optical Cable.

The 400G QSFP56-DD to 4x 100G QSFP56 AOC breakout active optical cables are designed for 400G to 4x 100G Ethernet links reach up to 70m (OM3) or 100m (OM4) over Multi-Mode Fiber (MMF).

Features

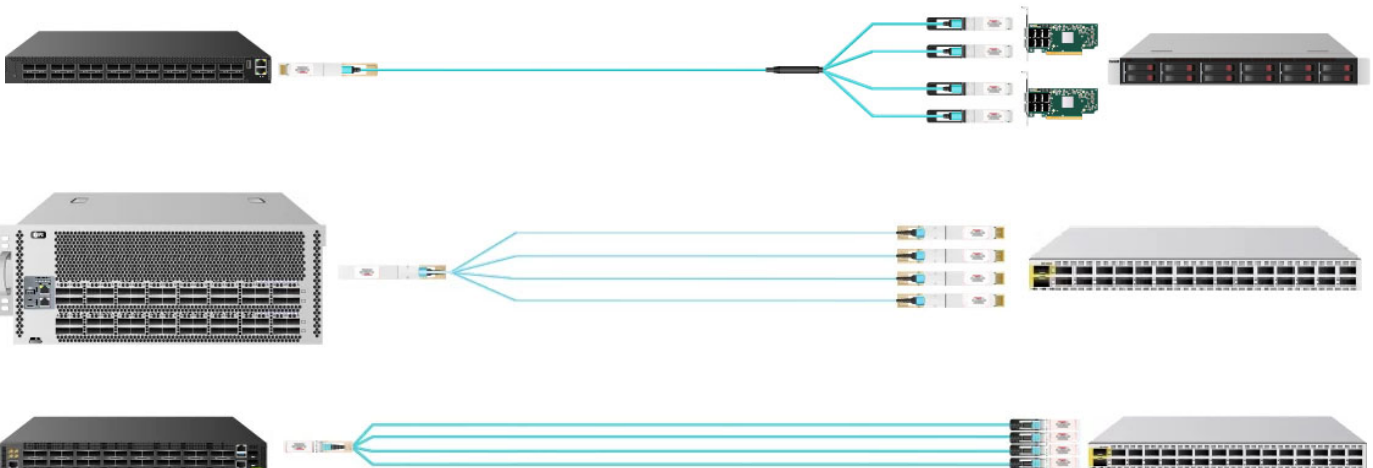
- High-density QSFP-DD and 4x QSFP56 MSA-compliant connectors
- 8 channels full-duplex active optical cables
- 8x 850nm VCSEL array and PIN photo-detector array
- Compliant with IEEE 802.3cd 200GBASE-SR4 and 100GBASE-SR2
- Data rate up to 425Gbps
- Length up to 70m (OM3) or 100m (OM4) over MMF
- Power consumption < 9W (400G QSFP56-DD), < 4.5W (100G QSFP56)
- Operating case temperature range from 0°C to 70°C
- 3.3V power supply voltage
- RoHS compliant (lead free)



Applications

- 400G to 4x 100G Ethernet

Connection Diagrams



**AOC-400GQ56DD-4Q56 | 400G QSFP56-DD
to 4x 100G QSFP56 AOC Datasheet**



SPECIFICATIONS	
Connector A	400G QSFP56-DD
Connector B	4x 100G QSFP56
Max Data Rate	400Gbps
Max Length	100m (328ft)
Wavelength	850nm
Cable Type	OM3 MMF
Minimum Bend Radius	30mm
Transmitter Type	VSCEL
Receiver Type	PIN
Power Consumption	400G <12W, 100G<3.5W
Jacket Material	OFNP
CDR (Clock and Data Recovery)	TX & RX Built-in CDR
Modulation Format	8x 50G-PAM4
DDM/DOM	Yes
Temperature	0 to 70°C (32 to 158°F)
Protocols	IEEE 802.3cd, OIF-CEI-04.0, QSFP-DD MSA, QSFP-DD-CMIS-Rev4.0, SFF-8024, IEEE 802.3bs Annex120E
Host FEC	Pre-FEC BER 2.4E-4
Application	400G Ethernet

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