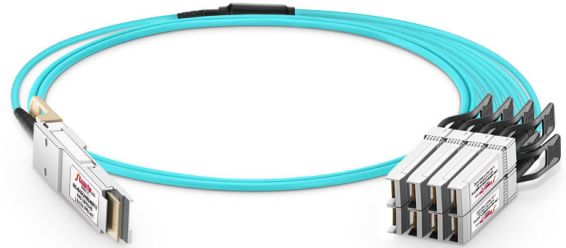


400G QSFP56-DD to 8x 50G SFP56 Breakout Active Optical Cable.

The 400G QSFP56-DD to 8x 50G SFP56 Breakout Active Optical Cable offers IT professionals a cost-effective interconnect solution for merging 400G QSFP56 DD and 50G SFP56 enabled host adapters, switches and servers.

For typical applications, users can install this splitter Active Optical cable between an available QSFP56 DD port on their 400Gbps rated switch and feed up to eight upstream 50G SFP56 enabled switches.

The QSFP56-DD to SFP56 splitter Active Optical cable features a single QSFP56 DD connector (QSFP DD MSA) rated for 400Gbps on one end and (8) SFP56 connectors (SFF-8431), each rated for 50Gb/s, on the other.



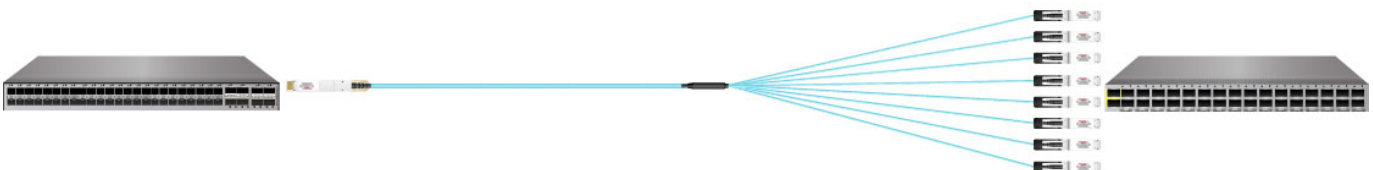
Features

- High-density QSFP-DD and 8x SFP56 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 50GBASE-SR
- Data rate up to 425Gbps
- Length up to 70m (OM3) or 100m (OM4) over MMF
- Power consumption < 10W (400G QSFP56-DD), < 2W (50G SFP56)
- Operating case temperature range from 0°C to 70°C
- 3.3V power supply voltage
- RoHS compliant (lead free)

Applications

- 400G to 8x 50GBASE-SR Ethernet

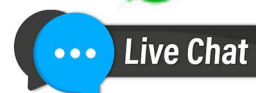
Connection Diagram



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**AOC-400GQ56DD-8SFP56 | 400G QSFP56-DD
to 8x 50G SFP56 AOC Datasheet**



SPECIFICATIONS	
Connector A	400G QSFP56-DD
Connector B	8x 50G SFP56
Max Data Rate	425Gbps (8x 53.125Gbps)
Max Length	100m (328ft)
Wavelength	850nm
Media	OM4 MMF
Minimum Bend Radius	30mm
Power Consumption	QSFP-DD <10W, SFP56 <3W
Transmitter Type	VSCSEL
Receiver Type	PIN
Jacket Material	OFNP
Modulation Format	PAM4
BER	2.40E-04
Inbuilt FEC	No
Temperature	0 to 70°C (32 to 158°F)
Protocols	QSFP-DD MSA, SFP56 MSA, IEEE 802.3cd

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