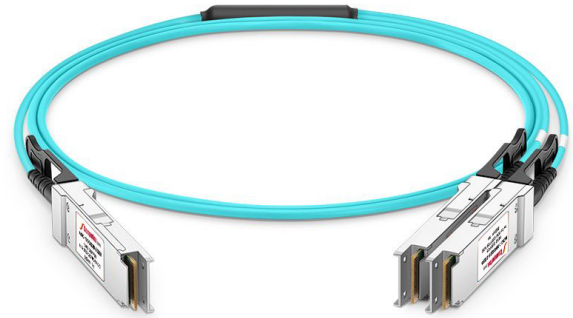


AOC-200GQ28DD-2Q28 | 200G QSFP28-DD to 2x 100G QSFP28 AOC - Datasheet



200G QSFP28-DD to 2x 100G QSFP28 Breakout Active Optical Cable.

The 200G QSFP-DD To 2x 100G QSFP28 breakout Active Optical Cable is designed for short-range multi-lane data communication and interconnect applications. It integrates eight data lanes in each direction with 8x 25.78125Gbps bandwidth. Each lane can operate at 25.78125Gbps up to 70m using OM3 fiber or 100 m using OM4 fiber.



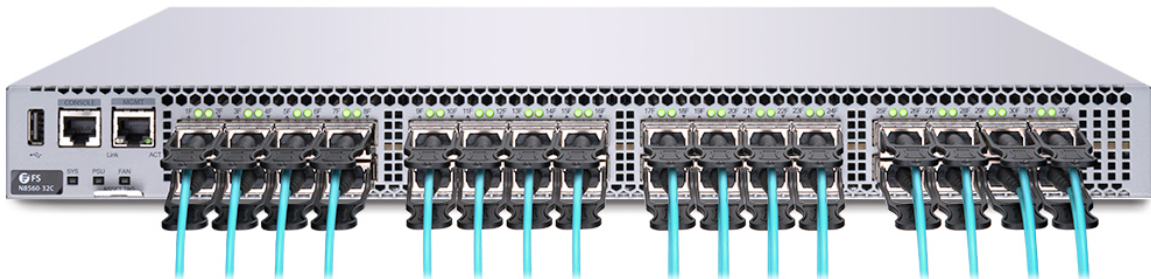
These modules are designed to operate over multimode fiber systems using a nominal wavelength of 850nm. The electrical interface uses a 76 contact edge type connector. The optical interface uses a 24 fiber MTP (MPO) connector.

Features

- High-density QSFP-DD and 2x QSFP28 MSA-compliant connectors
- 8 channels full-duplex active optical cables
- 8x 850nm VCSEL array and PIN photo-detector array
- Internal CDR circuits within receiver and transmitter data paths
- Support CDR bypass
- Compliant with QSFP-DD MSA, CMIS and IEEE 802.3bm 100GBASE-SR4
- Data rate up to 206.25Gbps
- Length up to 70m (OM3) or 100m (OM4) over MMF
- Power consumption < 4W (200G QSFP28-DD), < 2.5W (100G QSFP28)
- Operating case temperature range from 0°C to 70°C
- 3.3V power supply voltage
- RoHS compliant (lead free)

100G Connectivity for Data Center

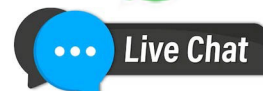
Featured with 1.65W low-power, high-density and high-speed, the QSFP28 transceiver offers a popular way to help you quickly ramp up to 100G transmission.



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Applications

- IEEE 802.3cd 200GBASE SR8
- IEEE 802.3bm 100GBASE SR4

Connection Diagram



SPECIFICATIONS	
Connector A	200G QSFP28-DD
Connector B	2x 100G QSFP28
Max Data Rate	206.25Gbps
Max Length	100m (328ft)
Wavelength	850nm
Media	OM4 MMF
Temperature	0 to 70°C (32 to 158°F)
Power Consumption	< 4W (200G QSFP28-DD), < 2.5W (100G QSFP28)

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