

### SFP+ to 8 x LC Breakout Active Optical Cable.

QSFP+ to 8 x LC Connector Breakout Active Optical Cable (AOC) are a high performance, low power consumption, long reach interconnect solution supporting 40G Ethernet, fiber channel and PCIe. It is compliant with the QSFP MSA and IEEE P802.3ba 40GBASE-SR4.

QSFP+ Breakout Cable is an assembly of 4 full-duplex lanes, where each lane is capable of transmitting data at rates up to 10Gb/s, providing an aggregated rate of 40Gb/s.

QSFP+ Breakout Cable are suitable for short distances and offer a highly cost-effective way to connect within racks and across adjacent racks. This product is a high data rate parallel active optical cable, to overcome the bandwidth limitation of traditional copper cable.



### Features

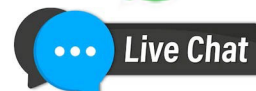
- Transmission data rate up to 10.3Gbit/s per channel
- Connector 1: QSFP+
- Connector 2: LC Connector(8)
- Full duplex 4 channel 850nm parallel active optical cable
- Available lengths (in meters): 1, 2, 3, 4, 5....
- SFF-8436 QSFP+ compliant housing and hot pluggable electrical interface
- Differential AC-coupled high speed data interface
- Management Interface and digital diagnostic monitoring(DDM) through I2C
- Commercial temperature range (COM): 0 to 70°C
- Support Rx output pre-emphasis
- Housing isolated from connector ground
- Low power consumption
- 3.3V power supply voltage
- RoHS 6 compliant



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### Applications

- Infiniband transmission at 4ch SDR(2.5Gbit/s), DDR(5Gbit/s) and QDR(10Gbit/s)
- 40GBASE-SR4 40G Ethernet
- 4G/ 8G/ 10G Fibre Channel
- Proprietary high speed, high density data transmission
- Creating a breakout cable with four Duplex LC/SC/ST/FC connectors for port expander applications
- High performance computing, server and data storage

### Connection Diagram



SPECIFICATIONS	
Connector A	40G QSFP+
Connector B	8x LC (4 Duplex LC)
Max Data Rate	40Gbps
Max Length	100m (328ft)
Wavelength	850nm
Media	OM3 MMF
Temperature	0 to 70°C (32 to 158°F)
Power Consumption	< 1.5W (QSFP+)