



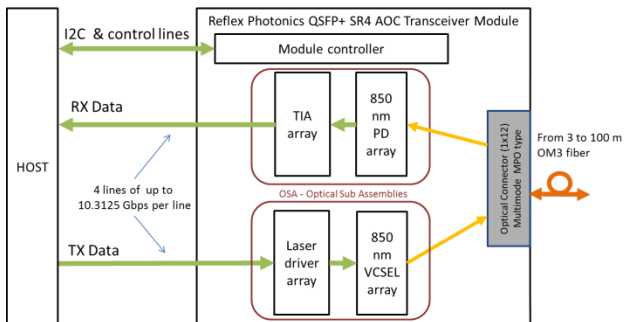
QA-X04-A01801-0XXX-0-02 QSFP+ AOC

Product Summary

The Quad Small Form-Factor Pluggable (QSFP+) AOC (Active Optical Cable) transceiver is a highly integrated 4-channel optical module that provides increased port density and total system cost savings. The QSFP+ full-duplex optical modules offer 4 independent transmit and 4 receive channels, each capable of 10.3125 Gbps operation for an aggregate bandwidth of 41.25 Gbps over 100 meters of optical fiber*.

The QSFP+ AOC transceiver modules offer very high functionality and feature integration, accessible via a two-wire serial interface.

** Actual link distance depends on fiber type and data rate*



QSFP+ AOC Transceiver Block Diagram

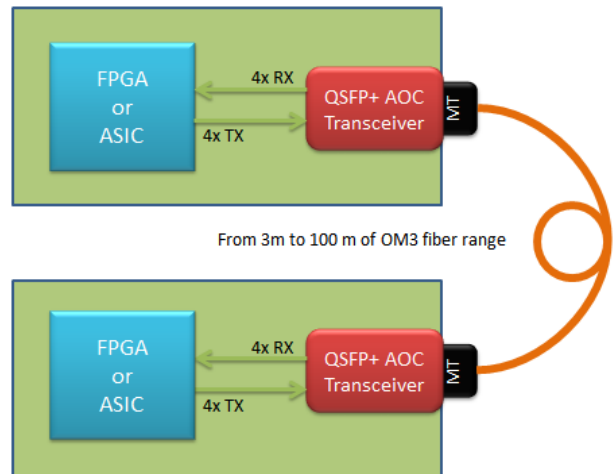
Specifications and Features Highlights

- Up to 10.3125 Gbps per channel bandwidth
- 4 Independent full-duplex channels
- Single +3.3V power supply
- CML compatible electrical I/O
- 3 to 100 meter transmission distance*
- 50/125um MM Fiber
- Minimum bend radius 25 mm
- Operating case temperature: 0 to 70°C
- Digital diagnostic capabilities
- Low power level (max 1.5 W per each terminal)
- QSFP+ MSA compliant
- RoHS compliant

() Part depended*

Applications

- High-performance computing clusters
- Data center backbone
- Ethernet switches
- High-speed servers
- SAN, Routers, hubs, load balancer

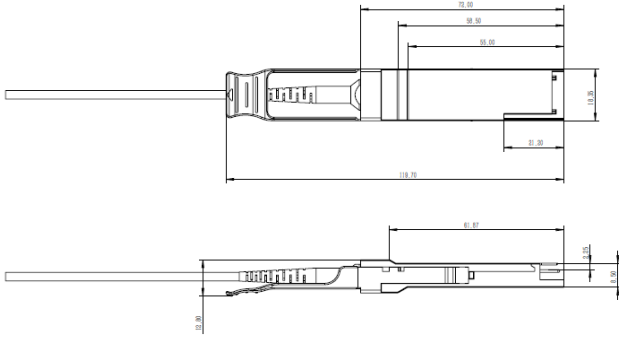


QSFP+ AOC Transceiver Application example

Optical Interface

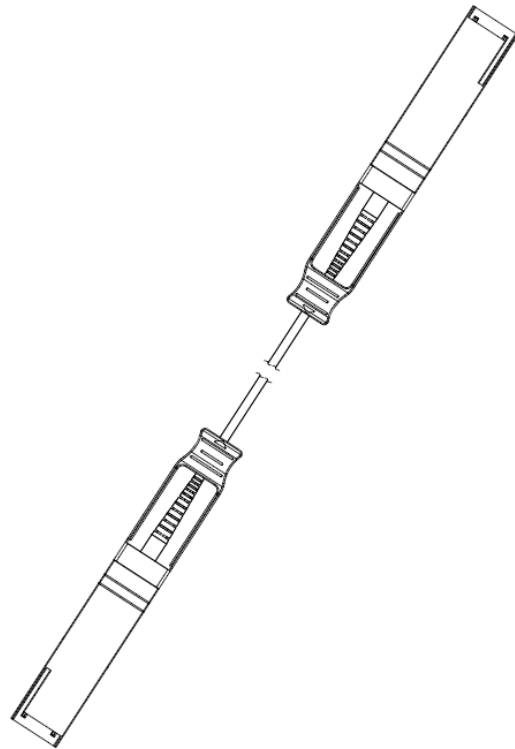
The Active Optical Cable QSFP+ SR4 module removes the need for optical fiber connectors. The modules are available in standard distance range. These Active Optical Cables utilize multimode fiber using a nominal wavelength of 850nm.

Mechanical Considerations



Compliance

Description	Specification
EMC	EN 55022: 2010 EN:55024:2010
RoHS	2002/95/EC
<i>General information only; details are in data spec</i>	



QSFP+ AOC

Ordering Information

Part Number Description
<p>PN: QA-X04-A01801-0XXX-0-02</p> <p>40G Ethernet, QSFP+ AOC Fiber Optic Transceiver Module (10.3 Gbps per channel/RX and TX).</p> <p>XXX represents fiber length. Available distances are: 3, 5, 7, 10, 15, 20, 25, 30, 40, 50 and 100 m.</p> <p><i>For custom lengths please contact sales department.</i></p>

For more information on this or other products:
Contact sales at
1-514-842-5179 or 1-408-715-1781
or by email at sales@reflexphotonics.com

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Note: Document revision history is present in separate document.