

### Applications

- Data centers and cloud networks
- 200G InfiniBand HDR systems

### Features

- Active optical cable with breakout from QSFP56 200G to two QSFP56 100G
- Up to 53.125 Gbps data rate per channel PAM4 modulation
- Integrated 850 nm VCSEL array and PD array
- DDM function implemented
- Hot-pluggable
- Low power dissipation: <4 W on 200G end, <3 W on 100G end
- Hot pluggable
- RoHS compatible
- Operating temperature range 0 °C to +70 °C (Standard)

### Absolute Maximum Ratings

Product	Electrical mode	Protocol	Nominal Rate			Specifications		Link
			Aggregate (Gbps)	Electrical Lanes (Gbaud)	ppm	High Speed Electrical	Pre-FEC Max BER	
200G end	4X50	IEEE802.3cd	212.5	26.5625 PAM4	±100	200GAUI-4	1E-6 for InfiniBand HDR; 2.4E-4 for 200GBASE-SR4	0.5 m ~ 100 m
Per 100G end	2X50	IEEE802.3cd	106.25	26.5625 PAM4	±100	200GAUI-2		

Parameter	Symbol	Unit	Min	Max
Case Operating Temperature	Top	°C	0	70
Storage Temperature Range	Ts	°C	-40	85
Relative Humidity	RH	%	0	85
Power Supply Voltage	Vcc	V	-0.5	3.6

### Recommended Operating Conditions

Parameter	Symbol	Min	Typical	Max	Unit
Operating Case Temperature	Tca	0	-	+70	°C
Power Supply Voltage	Vcc	3.135	3.3	3.465	V

### Ordering information<sup>1</sup>

Part number	Product Description
XCE-Q5Q52xx	200G QSFP56 to 2x QSFP56 AOC, 0-70°C, xx: 01 1 m, 02 2 m, 03 3 m, 05 5 m, 07 7 m, 10 10 m

#### Notes

<sup>1</sup> For accurate order specification please contact XenOpt reseller before placing an order. The content of this document is subject to change without notice. XenOpt does not guarantee errorless or outdated information.

Please specify any compatibility requirements at time of ordering. Standard MSA compatible pluggable components may not work or some function of these components may not be available in devices that require customized compatible devices. Pluggable components compatible with one type of communications equipment may not work in other type of communications equipment.

#### Important Notice

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