

Q100G-SR1.2

QSFP28 100GbE-SR1.2 | 2 x 50G | 100 m OM4 MMF

1. Product overview

Q100G-SR1.2 is a QSFP28 optical module supporting 100GE aggregate bit rates through two independent full-duplex channels. The product title specifies 2 x 50G and 850-910 nm. LC optical connectivity supports transmission up to 100 m over OM4 multimode fiber.

2. Key features

- QSFP28 MSA compliant
- 100GE aggregate bit rate; 2 x 50G in product title
- Two independent full-duplex channels
- KP4 FEC support at 100G data rate
- Up to 100 m transmission over OM4 MMF
- Single 3.3 V power supply; 4 W maximum power consumption
- LC optical connector; RoHS-6 compliant

3. Applications

100G Ethernet; data centers; InfiniBand HDR.

4. Technical data

Parameter	Specification
Form factor	QSFP28
Aggregate bit rate	100GE
Channel rate (product title)	2 x 50G
Channel configuration	Two independent full-duplex channels
FEC support	KP4 FEC at 100G data rate
Fiber / connector	OM4 multimode fiber / LC
Power supply	Single 3.3 V
Maximum power consumption	4 W

5. Recommended operating conditions

Parameter	Specification
Operating case temperature	-10 to 60; source unit displayed as “?” (see notes)
Supply voltage	3.3 V; tolerance not specified

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6. Optical characteristics

Parameter	Specification
Wavelength (product title)	850-910 nm
Maximum transmission distance	100 m on OM4 MMF
Fiber medium	Multimode fiber (MMF), OM4
Optical connector	LC
TX power	-6.2 to +4.0 dBm
Minimum receiver power	-8.2 dBm
Power budget	2 dB

The wavelength wording is retained from the product title. Individual channel wavelengths and wavelength tolerances are not specified. The source does not identify TX power as average power or OMA, or state whether power values apply per channel or to the complete module.

7. Digital diagnostics and management

The product page does not specify DDM/DOM support, a management interface, monitor parameters or alarm thresholds.

8. Safety and regulatory

Parameter	Specification
Module compliance	QSFP28 MSA
Environmental compliance	RoHS-6

Laser safety classification and additional regulatory certifications are not specified on the product page.

9. Ordering information

Parameter	Specification
GLOBALfiber product number	Q100G-SR1.2
Product description	QSFP28 100GbE-SR1.2, 2 x 50G, 100 m, 850-910 nm, 2 dB, MM, LC
Coding options	Check Point, NVIDIA(ETH), Arista, Ciena, Cisco, Dell, Extreme, Fortinet, Generic, HP, Huawei, Infinera, Intel, Juniper, Nokia Networks