

100G QSFP28 Transceivers

Hot-pluggable 100 Gigabit high-performance QSFP28 transceivers for long-distance serial optical transmission and easy migration to 100 GE.

DEM-Q28 Series

- Quad Small Form-factor Pluggable (QSFP)
- Multi-Source Agreement (MSA) specification compliant
- Restriction of Hazardous Substances (RoHS) compliant
- IEEE 802.3bm and 802.3ba standards
- Supports cable distances of up to 100 m / 10 km
- Hot pluggable



100
Gb/s

100 Gb/s Connectivity

100G long distance extension for high-density networks



Industry Compatibility

Compatible with IEEE 802.3bm, 802.3ba, and MSA standards



Hot Pluggable

Modify your infrastructure without network disruptions

Model	DEM-Q2801Q-SR4	DEM-Q2810Q-LR4
-------	----------------	----------------

Product Image



General

Transceiver Type	QSFP28	QSFP28
Cable Distance	100 m	10 km
Cable Type	Multi-mode 50/125 um fiber	Single-mode 9/125 um fiber
Speed	100 Gbps	100 Gbps
Interfaces	MPO	Duplex LC connector
Hot Pluggable	Yes	Yes
Direction	Single direction	Single direction
Wavelength	850 nm	1295 nm, 1300 nm, 1304 nm, 1309 nm

Functionality

IEEE Standard	IEEE 802.3bm	IEEE 802.3ba
MSA Compliant	Yes	Yes
RoHS Compliant	Yes	Yes
Fiber Media Support	Multi-Mode	Single-Mode

Physical

Max. Power Consumption	3.3 V	3.3 V
Max. Input Current	1.06 A	1.21 A
Dimensions	128 x 18.35 x 8.5 mm (5.04 x 0.72 x 0.33 in)	120 x 18.35 x 8.5 mm (4.72 x 0.72 x 0.33 in)
Weight	45 g (1.59 oz)	45 g (1.59 oz)
Operating Temperature	0 to 70 °C	0 to 70 °C
Storage Temperature	-40 to 85 °C	-40 to 85 °C
Operating Humidity	5% to 95% non-condensing	5% to 95% non-condensing
Storage Humidity	5% to 95% non-condensing	5% to 95% non-condensing
Certifications	FCC Class B, ICES-003 Class B, CE Class B, VCCI Class B, LVD	FCC Class B, ICES-003 Class B, CE Class B, VCCI Class B, LVD

Order Information

DEM-Q2801Q-SR4	100BASE-SR4 Multi-Mode 100M QSFP28 Transceiver
DEM-Q2810Q-LR4	100GBASE-LR4 Single-Mode 10KM QSFP28 Transceiver