



OFMQ2810QLR4

100GBase-LR4 Single-Mode QSFP28 transceiver (up to 10 km)



OFMQ2810QLR4 is a unidirectional QSFP28 transceiver with 1x100GBase-LR4 port for single-mode fiber optic cable (up to 10 km).

The OFMQ2810QLR4 is equipped with a standard duplex LC connector and is designed to work with single-mode fiber. The transceiver provides data transmission at speeds up to 100 Gbps at a distance of up to 10 km. Operating wavelength are 1295.56 nm, 1300.05 nm, 1304.58 nm, 1309.14 nm.

The OFMQ2810QLR4 complies with QSFP28 MSA specifications and is hot-pluggable.

Key Features

- Quad Small Form-factor Pluggable 28 (QSFP28)
- 1x100GBase-LR4 port
- Duplex LC connector
- Fiber type: single-mode
- Maximum fiber cable length up to 10 km
- Operating wavelength 1295.56 nm, 1300.05 nm, 1304.58 nm, 1309.14 nm
- Hot-pluggable



Specifications

Hardware

Transceiver Type	<ul style="list-style-type: none">• QSFP28
Interfaces	<ul style="list-style-type: none">• 1x100GBase-LR4 port
Connector	<ul style="list-style-type: none">• Duplex LC
Uni-/Bi-directional	<ul style="list-style-type: none">• Uni-directional
Data Rate	<ul style="list-style-type: none">• 100 Gbps
Maximum Fiber Cable Length	<ul style="list-style-type: none">• 10 km
Fiber Type	<ul style="list-style-type: none">• Single-mode Fiber
Wavelength	<ul style="list-style-type: none">• 1295.56 nm• 1300.05 nm• 1304.58 nm• 1309.14 nm
Transmit Power Range	<ul style="list-style-type: none">• 4.5 to -4.3 dBm
Receive Power Range	<ul style="list-style-type: none">• 4.5 to -10.6 dBm
Sensitivity	<ul style="list-style-type: none">• -8.6 dBm
Standard	<ul style="list-style-type: none">• IEEE 802.3ba 100GBase-LR4
Supported Features	<ul style="list-style-type: none">• Hot swap• MSA compliant• RoHS compliant

Physical Parameters

Dimensions (L x W x H)	<ul style="list-style-type: none">• 70 x 18.3 x 8.4 mm
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Operating Conditions

Power Support	<ul style="list-style-type: none">• 3.3 V
Supply Current	<ul style="list-style-type: none">• 1.2 A
Maximum Power Consumption	<ul style="list-style-type: none">• < 4 W
Temperature	<ul style="list-style-type: none">• Operating: 0 to 70 °C• Storage: -40 to 85 °C
Humidity	<ul style="list-style-type: none">• Operating: 5% to 85%• Storage: 5% to 85%



Package Contents

Package Contents	• OFMQ2810QLR4 Transceiver
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Order Info

OFMQ2810QLR4	QSFP28 Transceiver, 100GBase-LR4 (Duplex LC), 1295.56/1300.05/1304.58/1309.14nm, Single-mode fiber, up to 10km
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