

100G QSFP28-DR1 Transceiver

SKU#: ECX-QSFP28-DR1

The ECX-QSFP28-DR1 is a transceiver module designed for 500m optical communication applications, and it is compliant to IEEE 802.3cu 100G DR1 MSA standard. This module can convert 4-channel 26.5625Gb/s electrical data to 1-channel 106.25Gb/s optical signals. Similarly, it can convert 1-channel 106.25Gb/s optical signals to 4-channel output electrical data on the receiver side. It has been designed to meet the harshest external operating conditions including temperature, humidity and EMI interference. The module offers very high functionality and feature integration, accessible via a two-wire serial interface.



Figure 1 - 100-Gbps QSFP28 DR1 Optical Transceiver Module

PRODUCT FEATURES

- QSFP28 MSA compliant
- Compliant to 802.3cu
- 100G DR1 Specification compliant
- Maximum power consumption 4.5W
- LC connector
- Up to 500m transmission on single mode fiber with FEC
- Operating case temperature: 0°C~70°C
- Single 3.3V power supply
- RoHS 2.0 compliant

PRODUCT APPLICATIONS

- 100G Ethernet
- Data Center Interconnect
- Enterprise networking

MECHANICAL DESIGN DIAGRAM

