

IP-CALK10L31C

QSFP28 100Gbps LR4 10km DDM Transceiver

PRODUCT FEATURES

- Supports Hermetic package
- Supports 103.1Gbps and 112Gbps aggregate bit rate
- Compliant 4x25Gbps to 4X28Gbps electrical interface
- Compliant 4x25Gbps to 4X28Gbps DFB LAN-WDM transmitter and PIN/TIA receiver
- Maximum link length of 10km on Single Mode Fiber (SMF)
- Hot pluggable QSFP28 footprint
- Duplex LC receptacles
- Single 3.3V power supply
- Maximum power dissipation<4W
- RoHS-6 compliant and lead-free
- I²C management interface
- 0°C to +70°C case operating temperature



APPLICATIONS

- 100GBASE-LR4 100G Ethernet
- OTN OTU4 4I1-9D1F

COMPLIANCE

- QSFP28 MSA SFF-8665
- IEEE802.3ba 100GBASE-LR4
- ROHS

PRODUCT DESCRIPTION

IP-CALK10L31CH are designed for use in 100 Gigabit Ethernet links on up to 10km reach over SMF. The laser drivers control 4- Distributed Feedback Laser (DFB) with center wavelength of 1296nm, 1300nm, 1305nm and 1309 nm. The optical signals are multiplexed to a single –mode fiber through an industry standard LC connector. They are compliant with the QSFP28 MSA and IEEE 802.3bm 100GBASE-LR4 and CAUI-4. Digital diagnostic functions are available via an I2C interface, as specified by the QSFP+ MSA. The optical transceiver is compliant per the RoHS Directive 2011/65/EU.

Contact Information

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Revision History

Version No.	Date	Description
1.0	September 2, 2020	Preliminary datasheet