

GL-OT-SQ40LC2-LR4

40Gbps QSFP+ LR4 10km DDM Transceiver



Compliant with QSFP+ SFF-8436 MSA for mechanical, low speed electrical and 2-wire serial management interface for control and real-time monitoring. Supports 40 Gbps data rates links from 2m to 10KM over a standard SMF QSFP+ footprint (Quad Small Form-factor Pluggable) with 2 unidirectional LC SMF optical connector receptacles 38 pin hot pluggable edge connector electrical interface based on QSFP+ MSA.

The transmitter consists of a retimed quad input, 4 uncooled CWDM DFB lasers operating on the ITU G.694.2 wavelength grid at 1271, 1291, 1311 and 1331nm and multiplexed into a single SMF output. The receiver consists of a CWDM demultiplexer, a quad photodiode receiver with a limiting electrical interface and output amplitude control.

Provides Bias and Transmit Power Monitoring (TPM) for each of the 4 transmitter channels Provides RSSI Monitoring for each of the 4 receiver channels. Provides monitoring of the voltage supplies and case temperature Provides Module Present and Interrupt signals Input control pins for Module Select, Module Reset and Low Power Modes Supports operation for a case temperature of 0°C to +70°C.

Includes customized coding option for module security implementation.

Detailed characteristics

Characteristic	Value
Power, V	3.3
Temperature, °C	Operation from 0 to +85
Product dimensions (WxDxH), mm	18,3x8,4x78,6
Warranty	3 years
Form factor	QSFP+
Connector type	2*LC
Emitter type	4 CWDM DFB lasers
Fiber type	SM (9/125 μm)
Operating wavelength, nm	TxRx:1271,1291,1311,1331
Optical budget, dB	11,4
Data transmission distance, km	10
Data transfer rate, Gbit/s	40