

## GL-OT-ST12LC1-1270-1330

10Gbps SFP+ Bi-Directional Transceiver, 20km Reach Rx1270/1330nm



The SFP+ BIDI transceivers is small form factor pluggable module for duplex optical data communications such as 10GBASE-LR/LW defined by IEEE 802.3ae. It is with the SFP+ 20-pin connector to allow hot plug capability.

The SFP+ BIDI module is designed for single mode fiber and operates at a nominal wavelength of 1270nm or 1330nm. The transmitter section uses a multiple quantum well DFB, which is class 1 laser compliant according to International Safety Standard IEC-60825.

The receiver section uses an integrated InGaAs detector preamplifier (IDP) mounted in an optical header and a limiting post-amplifier IC.

Detailed characteristics

Characteristic	Value
Power, V	3.3
DDM function	Yes
Temperature, °C	Operation from 0 to +85
Humidity, %	8 - 80 (no condensation)
Product dimensions (WxDxH), mm	19,46x42x90,7
Warranty	3 years
Form factor	SFP+
Connector type	1*LC
Emitter type	DFB
Number of fibers used	1
Fiber type	SM (9/125 μm)
Operating wavelength, nm	Tx:1270/Rx:1330
Optical budget, dB	12
Data transmission distance, km	20
Data transfer rate, Gbit/s	10