10G transceiver 850nm VCSEL, SR (MMF 300m), Duplex LC
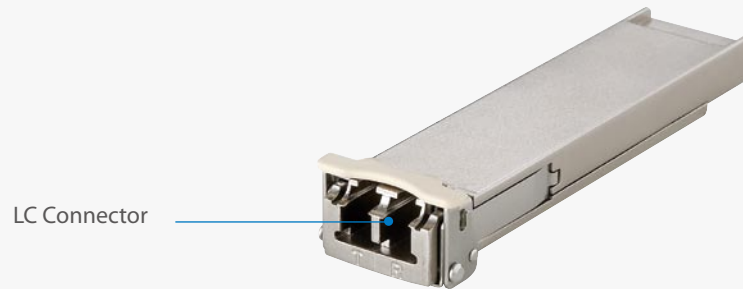
XFP-5901

H/W Version: 1

LevelOne XFP-5901 a high performance multi-mode XFP transceiver. Intended for 10GBASE-SR applications, it provides up to 10 Gbps bi-directional data transfer rate on a single duplex fiber core with 802.3x Flow Control. For use with 50 and 62.5 micron fiber cables, it can reach a distance of up to 300 meters and operate within temperatures of -5℃ ~75℃.

The XFP-5901 transceiver operates using a wavelength of 850nm with a VCSEL Laser Diode light source and has a LC connector.

LC Connector

Key Features

- Hot Pluggable
- XFI Electrical interface
- Operating case temperature: -5℃ ~75℃
- Optical interface compliant to IEEE 802.3ae
- 850nm VCSEL transmitter, PIN photo-detector
- All-metal housing for superior EMI performance
- Advanced firmware allow customer system encryption information to be stored in transceiver
- No reference clock needed
- Low power consumption
- RoHS compliant

Works Well With

GTL-2690
20 GE and 4 GE/SFP combo L3 SNMP Switch and 2 slots for optional 10GE modues

Technical Specifications

Stndard Compliance
IEEE 802.3ae 10GBASE

Data Rate Gigabit
10G

Media Type
MMF

Average Optical Power
-6.5 ~ -1.0 dBm

Stressed Sensitivity (OMA)
-17 dBm

Power Budget
10.5dB

Wavelength
850nm

Transmission Range
300 m over OM3 Multimode Fiber
82 m over OM2 Multimode Fiber
33m over OM1 Multimode Fiber

Connector
LC

Supply Voltage
3.3V

Max Voltage/Current
3.5V/400mA
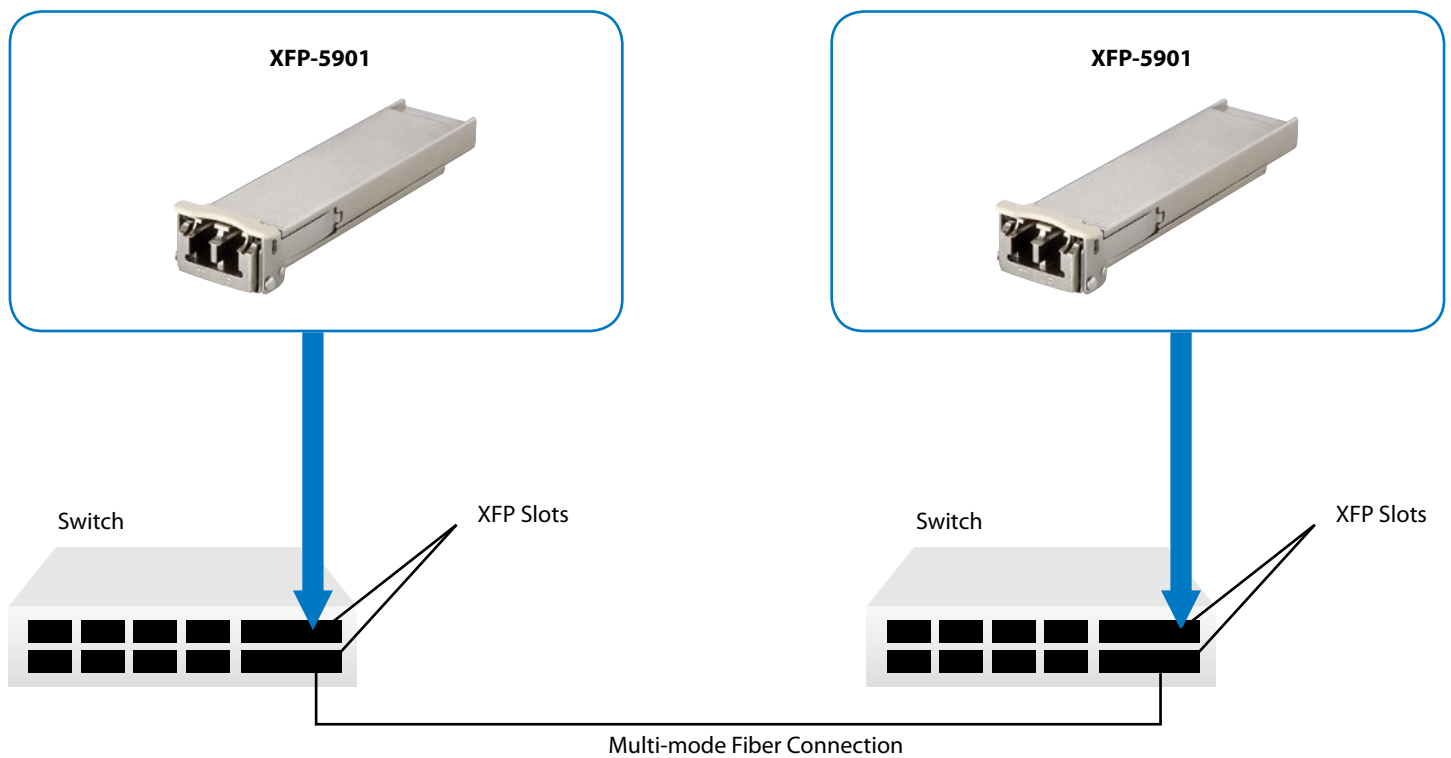
Temperature
-5℃ ~75℃

Humidity
5~85% (non-condensing)

Dimensions (Lx W x H)
78mm x 22.15mm x 14mm

Certifications
Class 1 eye safety and comply with EN 60825-1

Application

XFP-5901

XFP-5901

Switch

XFP Slots

Switch

XFP Slots

Multi-mode Fiber Connection

Order Information   **XFP-5901:** 10G transceiver 850nm VCSEL, SR (MMF 300m), Duplex LC

Package Contents   XFP-5901

Related Product

XFP-5211
1.25 G transceiver 1310nm
LR DFB LD (SMF 10km),
Duplex LC