



# Mini GBIC SFP transceiver LX Single-Mode (10km)



GVT-0301

H/W Version: 4

## Product Overview

The LevelOne GVT-0301 SFP (Small form-factor pluggable) Transceiver provide flexibility for utilizing fiber Gigabit network connections in both data and telecommunication applications. GVT-0301 operates at a nominal wavelength of 1310nm and complies with Multi-Source Agreement(MSA) Small Form Factor Pluggable(SFP) . It is a duplex LC transceiver designed for use in Gigabit Ethernet and to provide a IEEE-802.3z compliant link for 1.25Gb/s long reach applications up to 10KM

## Support for Mini GBIC Connectivity

The GVT-0301 SFP Transceiver Series transceivers

support LX standard optic with single-mode mini GBIC connectors. They provide signal amplification to transfer and receive data between two ends of mini GBIC ports.

## Multi-Purpose Usage

The GVT-0301 SFP transceivers can be used for distributed multiprocessing, switch-to-switch or converter-to-switch or converter-to-converter interface, high-speed I/O file transfer, bus extension applications, and for a channel extender or data storage applications. The LevelOne GVT-0301 can be used in any LevelOne switch or modules that support SFP modules.



LC Connector

## Key Features

- Small Form Factor Pluggable MSA compliant
- For Single Mode Applications
- Up to 1310nm & 1.25Gb/s
- Compliant for IEEE-802.3z Gigabit Ethernet
- Easy to install and Hot-pluggable
- Connect switches up to 10km away with each other
- Single 3.3V power supply
- Duplex LC Connector
- TTL signal detect indicator
- EEPROM with serial ID functionality

## Works Well With



**GSW-2453**  
3-slot Modularized Combo Gigabit Switch



**GVT-4000**  
10/100/1000Base-T to 1000Base-X Fiber Converter (SFP)

## Technical Specifications

### Standard Compliance

IEEE 802.3z

### Data Rate Gigabit

1.25Gbd

### Data Rate Fiber Channel

1.0625Gbd

### Media

SMF

### Optical Receiver Sensitivity

-20dBm

### Optical Transmission Power

-9.5 ~ -3.0dBm

### Power Budget

10.5dB

### Center Wave Length

1310nm

### Transmission Range

9/125um (up to 10km)

### Connector

LC type

### Supply Voltage

3.1~3.5V

### Max Voltage/Current

6V / 300mA

### Temperature

0°C ~ 70°C

### Humidity

5 ~ 90% (non-condensing)

### Dimensions: (L x W x H)

13.5mm x 55.5mm x 11.7mm

### Certifications

Class 1 Laser: EN60825-1

FDA 21: 1040.10, 1040.11

## Application



### Order Information

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### Package Contents

GVT-0301