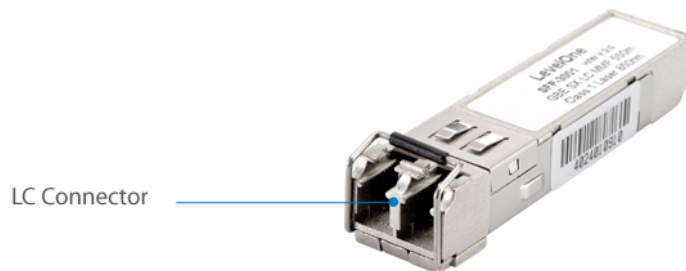


SFP-3001 Version: 2

## 1.25Gbps Multi-mode SFP Transceiver, 550m, 850nm

LevelOne SFP-3001 is a high performance and cost-effective multi-mode SFP transceiver. Intended for use with Gigabit Ethernet, it provides up to 1.25 Gbps bidirectional data transfer rate on a single duplex fiber core. For use with 50 and 62.5 micron fiber cables, it can reach a distance of up to 550 meters.



### Key Features

- 850nm VCSEL
- Data Rate: 1.25Gbps
- Single +3.3V Power Supply
- RoHS Compliant and Lead-free
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement(MSA)
- Duplex LC Connector
- Compliance with specifications for IEEE 802.3z Gigabit Ethernet at 1.25Gbps
- Compliance with ANSI specifications for Fiber Channel applications at 1.06Gbps
- No configuration or installation software required
- Eye Safety Designed to meet LASER Class 1 comply with EN60825-1

### Specifications

#### System Specifications

##### Standards & Protocols:

IEEE 802.3z Gigabit Ethernet  
SFP Multi-Sourcing Agreement(MSA)



#### Connectors and Cabling:

Duplex LC Connector, Multimode fiber(MMF)

#### Wavelength(nm):

850nm VCSEL Laser Diode

#### Optical Receive Sensitivity:

-17 dBm

#### Optical Link Power Budget:

7.5 dB

#### Power Input:

Supply Voltage: 3.3V

Max Voltage/Current: 6V/300mA

### Features

#### General:

Hot-swappable

### Performance

#### Data Transfer Rate:

1.25 Gbps Bi-directional data link

#### Operating Distance:

up to 550m (50/125?m), 275m ( 62.5/125?m)

Fiber channel up to 1.06Gbps

#### Optical Transmission Power:

-9.5 ~ -3 dBm

### Environment

#### Temperature (°C):

Operating: 0°C ~ 70°C

Storage: -40 ~ 85°C

#### Humidity (Non-condensing):

5 ~ 95%

### Physical Specifications

#### Dimensions (W x D x H mm):

13.7 x 56.5 x 8.95 mm

#### Weight (g):

20g

### Reliability

#### MTBF:

958763hrs@40?

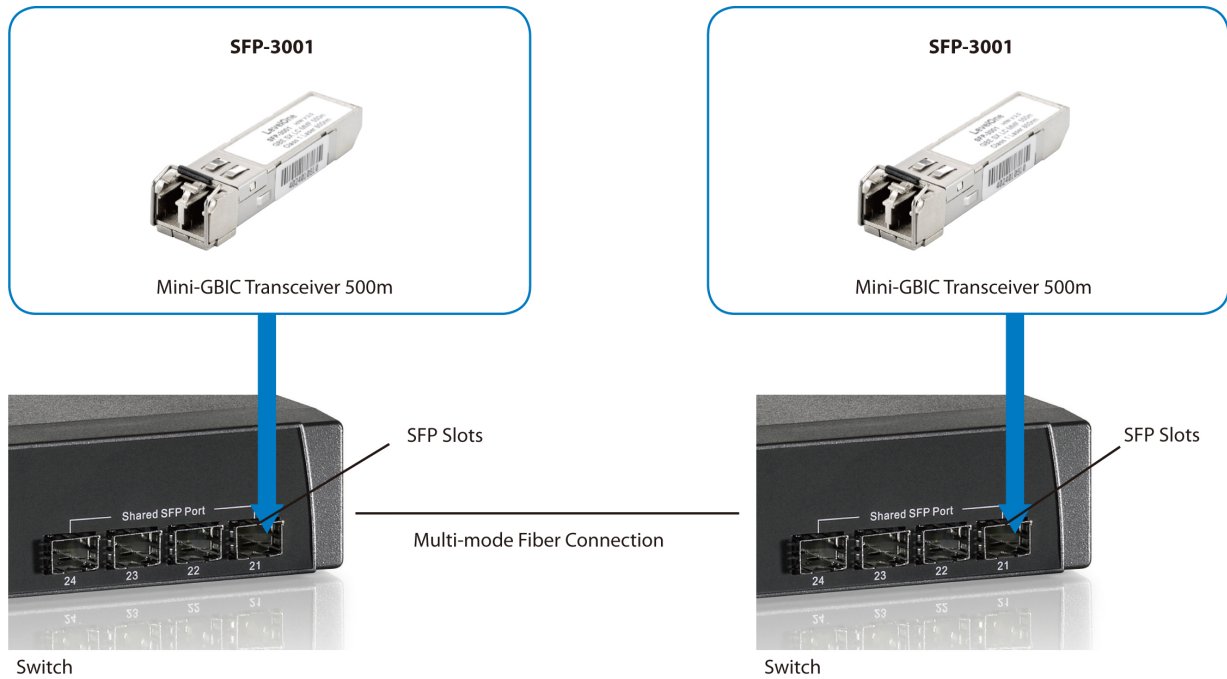
### Approval and Compliance

#### EMI/EMS:

Class 1 eye safety and comply with EN 60825-1

CE, FCC, RoHS

## Diagram



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## Order Information

SFP-3001

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## Package Contents

SFP-3001