



1.25G BIDI, (SMF 40km 1550/1310), Simplex LC



SFP-9431

H/W Version: 1

The LevelOne SFP-9431 is a high performance, cost-effective SFP transceiver. It provides up to 1.25 Gbps bi-directional data transfer rate at distances up to 40km on a single fiber core. These bi-directional SFP Transceivers allow data transfer in either direction through a single optical fiber by employing separate wavelengths travelling in either direction.

The SFP-9431 transmits using a wavelength of 1550nm and receives using a wavelength of 1310nm. When coupled with the LevelOne SFP-9421 transceiver which transmits at and receives at the opposite rates (1310nm RX and 1550nm RX) you get bi-direction data communication on a single fiber core.

LC Simplex Connector



Key Features

- 1550nm DFB LD
- Multi Data Rate: 125M to 1.25Gbps, NRZ
- Single +3.3V Power Supply
- RoHS Compliant and Lead-free
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement (MSA) Small Form Factor Pluggable (SFP)
- Single LC Connector
- Compliance with specifications for IEEE-802.3z Gigabit Ethernet at 1.25Gbps
- Compliance with ANSI specifications for Fiber Channel applications at 1.06bps
- Eye Safety Designed to meet LASER Class 1 comply with EN60825-1

Works Well With



Switch

All LevelOne Switches with SFP Slots



Media Converter

All LevelOne Media Converter with SFP Slots



Technical Specifications

Standard Compliance

IEEE 802.3z

Data Rate Gigabit

1.25G

Data Rate Fiber Channel

1.06Gbps

Media Type

SMF

Optical Transmission Power

-3 ~ +2 dBm

Optical Receiver Sensitivity

-23 dBm

Power Budget

20 dB

Wavelength

1550nm / 1310nm

Transmission Range

up to 40km (9/125μm)

Connector

LC

Supply Voltage

3.3V

Max Voltage/Current

6V/300mA

Temperature

0°C ~70°C

Humidity

5~90% (non-condensing)

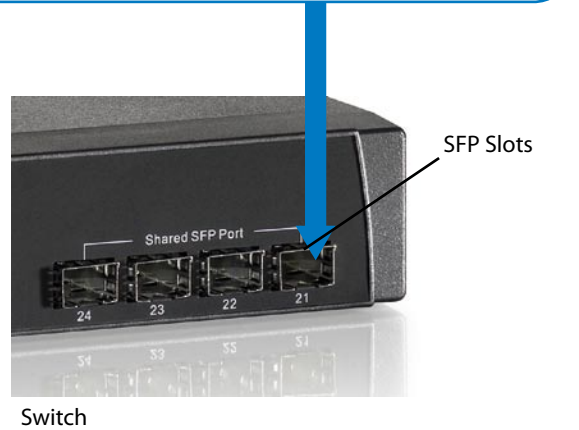
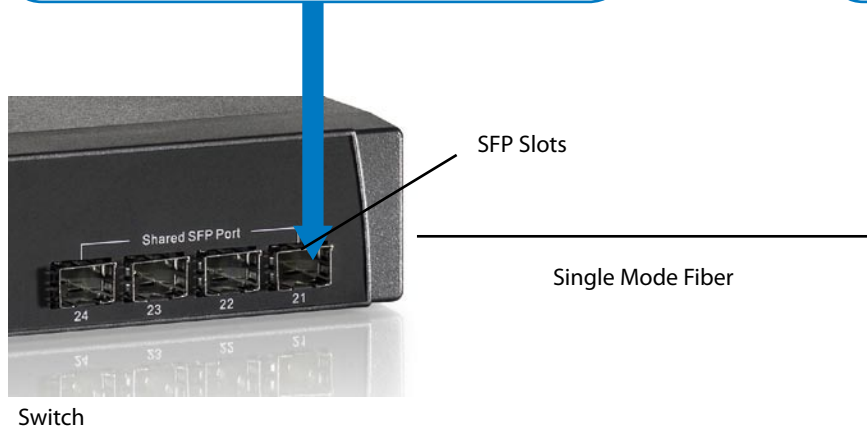
Dimensions (L x W x H)

56.5mm x 13.7mm x 8.95mm

Certifications

Class 1 eye safety and comply with EN 60825-1

Application



Order Information

SFP-9431: 1.25G BIDI, (SMF 40km 1550/1310), Simplex LC

Package Contents

SFP-9431

Related Product



SFP-3001
1.25 G transceiver 850nm
VCSEL, SX (MMF 500m),
Duplex LC



SFP-3111
1.25 G transceiver, 1310nm
MLX (MMF 2km), Duplex LC



SFP-3211
1.25 G transceiver , 1310 nm
FP-LD, LX (SMF 10m),
Duplex LC



SFP-3611
1.25 G transceiver , 1550nm
DFB-LD, ZX (SMF 80km),
Duplex LC



SFP-3711
1.25 G transceiver 1550nm
DFB-LD, EZX (SMF 120km),
Duplex LC



SFP-1101
155Mbps transceiver
1310nm FP/LED-LD,
(MMF 2km), Duplex LC



SFP-1311
155Mbps transceiver 1310nm
FP-LD, (SMF 20km),
Duplex LC



SFP-1411
155Mbps transceiver 1310nm
FP-LD, (SMF 40km), Duplex LC



SFP-7321
155Mbps BIDI,
(SM 20km1310/1550),
Simplex LC



SFP-7331
155Mbps BIDI, (SM
20km1550/1310),
Simplex LC



SFP-7421
155Mbps BIDI,
(SM 40km1310/1550),
Simplex LC



SFP-7431
155Mbps BIDI,
(SM 40km1550/1310),
Simplex LC



SFP-9221
1.25G BIDI, (SM 10km
1310/1550), Simplex LC



SFP-9231
1.25G BIDI, (SM 10km
1550/1310), Simplex LC



SFP-9321
1.25G BIDI, (SM 20km
1310/1550), Simplex LC



SFP-9331
1.25G BIDI, (SM 20km
1550/1310), Simplex LC



SFP-9421
1.25G BIDI, (SM 40km
1310/1550), Simplex LC



SFP-9431
1.25G BIDI, (SM 40km
1550/1310), Simplex LC



SFP-3841
1.25 G transceiver TX Copper
(100m), RJ-45 Type

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