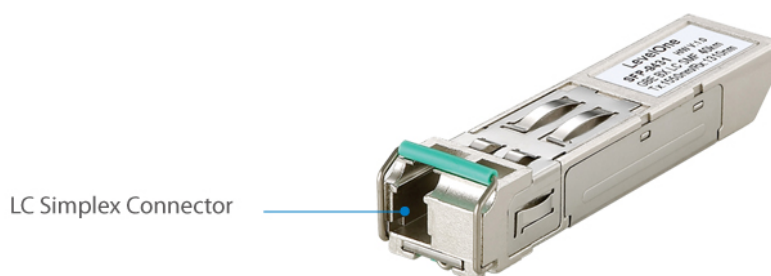


SFP-9431 Version: 1

1.25G SMF BIDI SFP Transceiver, 40km, T1550/R1310nm

The LevelOne SFP-9431 is a high performance, costeffective 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 (1550nm TX and 1310nm RX) you get bi-direction data communication on a single fiber core.



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 IEEE802.3z 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

Specifications

System Specifications

Connectors and Cabling:

Simplex LC Connector, Single-mode fiber(SMF)

Wavelength(nm):

T 1550nm / R 1310nm

Transmit Power:

-3~ +2 dBm

Power Budget:

20 dB

Power:

Supply Voltage: 3.3V

Max Voltage/Current: 6V/300mA

Standards & Protocols:

IEEE 802.3ah 1000BASE-BX10-D

SFP Multi-Sourcing Agreement(MSA)

Receive Sensitivity(dBm):

-23 dBm

Features

General:

Hot-swappable

Performance

Data Transfer Rate:

1.25 Gbps Bi-directional data link

Operating Distance:

up to 40km (9/125?m)

Fiber channel up to 1.06Gbps

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

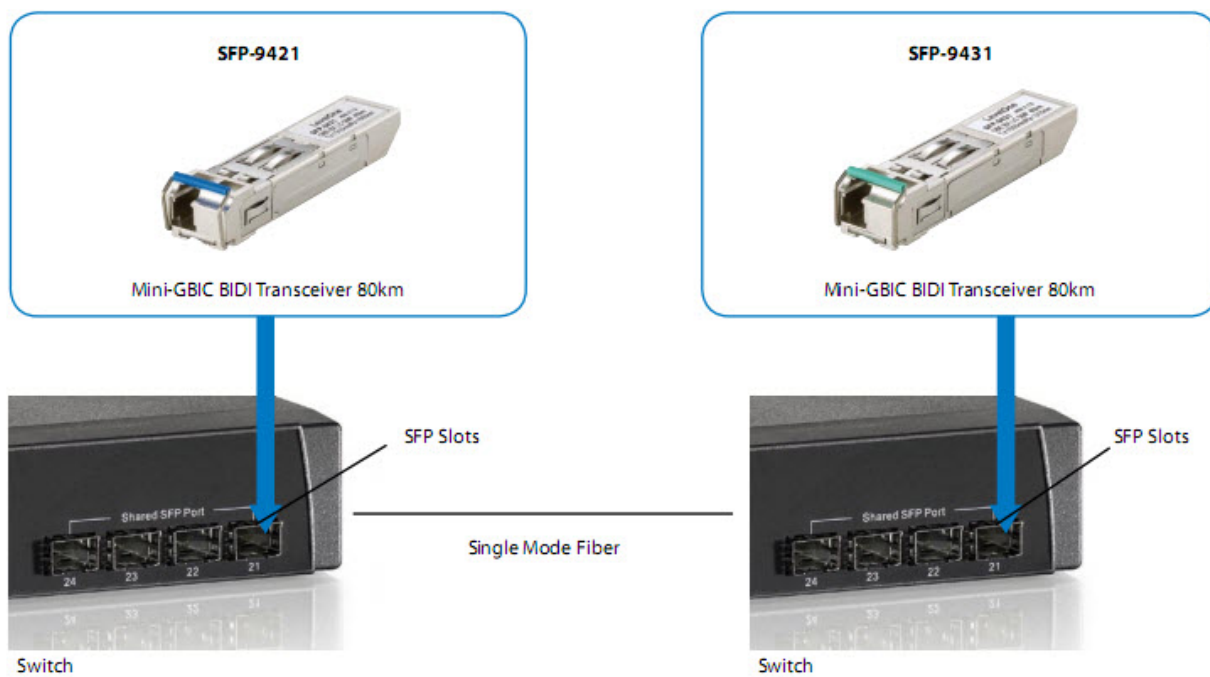
Others

Approval and Compliance:

Class 1 eye safety and comply with EN 60825-1

CE, FCC, RoHS

Diagram



Order Information

SFP-9431



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