



155Mbps BIDI,(SMF 40km 1310/1550), Simplex LC



SFP-7421

H/W Version: 1

The LevelOne SFP-7421 is a high performance, cost-effective SFP transceiver. It provides up to 155Mbps 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-7421 transmits using a wavelength of 1310nm and receives using a wavelength of 1550nm. When coupled with the LevelOne SFP-7431 transceiver which transmits at and receives at the opposite rates (1550nm RX and 1310nm RX) you get bi-direction data communication on a single fiber core.

LC Simplex Connector



Key Features

- 1310nm FP LD
- Data Rate: 125~155Mbps, NRZ
- Single +3.3V Power Supply
- RoHS Compliant and Lead-free
- AC/AC Differential Electrical Interface
- Compliant with Multi-Source Agreement (MSA)
- Compliant with SFF-8472 Digital Diagnostic Monitoring Interface
- Single LC Connector
- Compliance with specifications for IEEE-802.3ah 100BASE-BX10-U
- Compliance with FDDI PMD Standard
- Compliance with ATM Standard

Works Well With



GWS-0891
8-Port PoE Fast Ethernet TP
+ 2-Port Gigabit Combo L2
SNMP Switch



Technical Specifications

Standard Compliance

IEEE 802.3ah

Data Rate

155Mbps

Media Type

SMF

Optical Transmission Power

-8 ~ -3 dBm

Optical Receiver Sensitivity

-34 dBm

Power Budget

26 dB

Wavelength

1550nm / 1310nm

Transmission Range

up to 40m (9/125µm)

Connector

LC

Supply Voltage

3.3V

Max Voltage/Current

6V/300mA

Temperature

0°C ~70°C

Humidity

5~90% (non-condensing)

Dimensions (Lx W x H)

56.5mm x 13.7mm x 8.95mm

Certifications

Class 1 eye safety and comply with EN 60825-1

Application

SFP-7421

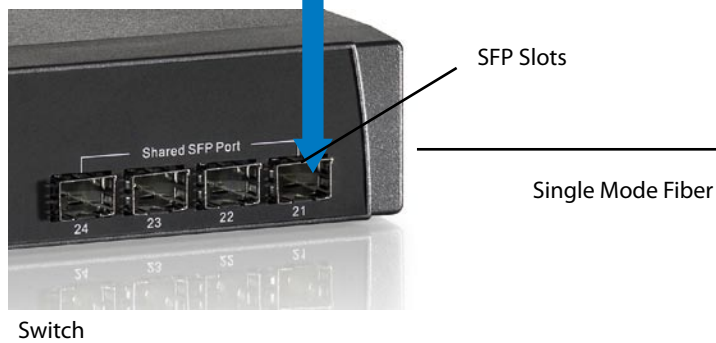


Mini-GBIC BIDI Transceiver 80km

SFP-7431



Mini-GBIC BIDI Transceiver 80km



Order Information

SFP-7421: 155Mbps BIDI,(SMF 40km 1310/1550), Simplex LC

Package Contents

SFP-7421

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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