

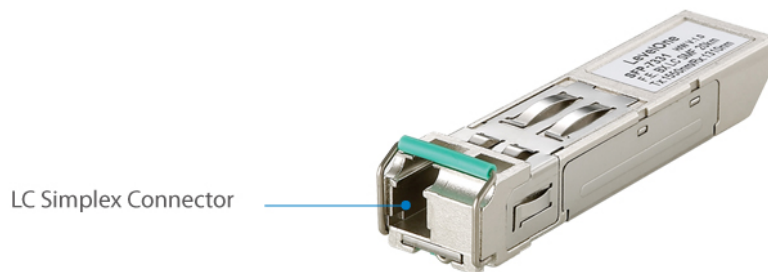
SFP-7331 2222 22: 3

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## 155M SMF BIDI SFP Transceiver, 20km,T1550/R1310nm

The LevelOne SFP-7331 is a high performance, cost-effective SFP transceiver. It provides up to 155Mbps bi-directional data transfer rate at distances up to 20km 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-7331 transmits using a wavelength of 1550nm and receives using a wavelength of 1310nm. When coupled with the LevelOne SFP-7321 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.



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### Key Features

- 1550nm 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 IEEE802.3ah 100BASE-BX10-U
- Compliance with FDDI PMD Standard
- Compliance with ATM Standard



## System Specifications

### Standards & Protocols:

IEEE 802.3ah 100BASE-BX10-D  
SFP Multi-Sourcing Agreement(MSA)  
Compliance with FDDI PMD Standard  
Compliance with ATM Standard

### Connectors and Cabling:

Simplex LC Connector, Single-mode fiber(SMF)

### Wavelength(nm):

T 1550nm / R 1310nm

### Optical Receive Sensitivity:

-32 dBm

### Power Budget:

18 dB

### Power:

Supply Voltage: 3.3V  
Max Voltage/Current: 6V/300mA

## Features

### General:

Hot-swappable

## Performance

### Data Transfer Rate:

155Mbps Bi-directional data link

### Operating Distance:

up to 20m (9/125um)

### Optical Transmission Power:

-14 ~ -8 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

## Others

### Approval and Compliance:

Class 1 eye safety and comply with EN 60825-1  
CE, FCC, RoHS



Single Mode Fiber

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## Order Information

SFP-7331

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## Package Contents

SFP-7331