SFP-4350 Version: 2

1.25Gbps Single-mode BIDI Industrial SFP Transceiver, 40km, TX 1310nm / RX 1550nm, -40°C to 85°C

The LevelOne SFP-4350 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-4350 transmits using a wavelength of 1310nm and receives using a wavelength of 1550nm. When coupled with the LevelOne SFP-4360 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.
This Hot-swappable SFP transceiver offers the latest Industrial standard in full-duplex Ethernet connectivity and withstand under wide range temperature operation.

Key Features

- 1.25Gbps Bi-directional single fiber link
- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring
- Hot-swappable providing non-stop service
- Provides simplex LC connector
- -40°C to 85°C operating temperature range
- RoHS compliant and Lead Free
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards

Specifications

System Specifications

Protocols:
SFP MSA SFF-8074i Compliant

Port:
Simplex LC connector

Wavelength (nm):
TX 1310nm / RX 1550nm (FP Laser Optical Components)

Optical Receive Sensitivity:
-25dBm

Power Input:
• 3.3V (Supply Voltage)
• 3.47V/300mA (Max Voltage/Current)

Power Consumption:
• 0.8W (0°C to 70°C)
• 1W (-40°C to -85°C)

Data Rate:
• 1.25Gbps (Gigabit Ethernet)
• 1.063Gbps (Fibre Channel)

Optical Transmission Power:
-5 to 0 dBm

Operating Temperature (°C):
0°C to 70°C

Operating Humidity (Non-condensing):
0% to 85%

Storage Temperature (°C):
-40°C to 85°C

Storage Humidity (Non-condensing):
5% to 95%

Features

General:
Hot-swappable

Management:
DDMI (Digital Diagnostics Monitoring Interface)

Performance

Operating Distance:
40Km (9/125μm Single-mode fiber cable)

Physical Specifications

Dimensions (W x D x H mm):
13.7 x 56.6 x 12.4 mm

Weight (g):
19g

Approval and Compliance

EMI/EMS:
• CE
• EMI compatible with FCC Part 15 Class B EN55022 Class B (CISPR 22B) VCCI Class B

Safety:
• Laser Eye Safety compatible with FDA 21CFR 1040.10 and 1040.11 EN60950, EN (IEC)60825-1,2

Environmental Test:
• RoHS compliant with 2002/95/EC 4.1&4.2 2005/747/EC
• ISO 14001:2015
• ISO 9001:2015

Others:
• ESD to the Electrical PINs: compatible with MIL-STD-883 Method 3015
• ESD to the Single LC Receptacle: compatible with IEC 61000-4-2
• Immunity compatible with IEC 61000-4-3

Order Information

SFP-4350

Package Contents

SFP-4350
Quick Installation Guide