



SFP-4240 Version: 2

1.25Gbps Single-mode Industrial SFP Transceiver, 40km, 1310nm, -40°C to 85°C

The levelOne SFP-4240 is a high performance and cost-effective single-mode SFP transceiver. Intended for use with Gigabit Ethernet, it provides up to 1.25 Gbps bidirectional data transfer rate on a single duplex fiber core. For use with 9 and 125 micron fiber cables, it can reach a distance of up to 40km. The SFP-4240 transceiver operates using a wavelength of 1310nm with a FP Laser Diode light source and has an LC port.

This Hot-swappable SFP transceiver offers the latest Industrial standard in full-duplex Ethernet connectivity and withstand under wide range temperature operation.

Key Features

- Supports Digital Diagnostics Monitoring Interface (DDMI) for easy status monitoring
- Provides duplex LC connector
- Hot-swappable providing non-stop service
- -40°C to 85°C operating temperature range
- Compatible with SFP Multi-Sourcing Agreement (MSA) standards

Specifications

System Specifications

Standards:

1000BASE-LX

Protocols:

SFP MSA SFF-8074i Compliant

Port:

Duplex LC connector

Wavelength (nm):

1310nm (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 0dBm

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):

14 x 57 x 12 mm

Weight (g):

20g

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 Duplex LC Receptacle: compatible with IEC 61000-4-2
- Immunity compatible with IEC 61000-4-3

Order Information

SFP-4240

Package Contents

SFP-4240

Quick Installation Guide

Digital Data Communications GmbH
Hohe Straße 1, 44139 Dortmund, Germany

Specifications are subject to change without notice. No liability or responsibility for any errors or omissions in the content.
Copyright © Digital Data Communications GmbH, Germany. All Rights Reserved.