

DATASHEET

1.25Gbps Multi-mode Industrial SFP Transceiver, 550m, 850nm



General data

1000Base-SX multi-mode fiber for connection up to 550m
 Supports Digital Diagnostics Monitoring (DDM) for easy status monitoring
 Features duplex LC connection
 No service interruption due to hot swap
 Compatible with SFP Multi-Sourcing Agreement (MSA) standards

The LevelOne SFP-4200 is a high-performance and cost-effective multi-mode SFP transceiver. For use with Gigabit Ethernet, it offers up to 1.25Gbps bidirectional data transfer rate on a single duplex fiber core. When using 50 and 125 micrometer fiber optic cables, a distance of up to 550m can be achieved. The SFP-4200 transceiver works with a wavelength of 850nm and with a VCSEL laser diode light source and has an LC connection. This hot-swappable SFP transceiver offers the latest industry standard in full-duplex Ethernet connectivity and can withstand a wide operating temperature range.

General
 Silver color

Features

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

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- Hot swappable

Miscellaneous

Fiber Optical Mode Multi-Mode

Transceiver type SFP

Grade industrial

Others

Approvals and Compliance

- CE
- RoHS
- ISO 14001:2015
- ISO 9001:2015
- EMI compatible with FCC Part 15 Class B, EN55022 Class B (CISPR 22B), VCCI Class B
- Laser Eye Safety compatible with FDA 21CFR 1040.10 and 1040.11 EN60950, EN (IEC)60825-1.2
- 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

Operating humidity 0%RH ~ 85%RH

Operating temperature 0°C ~ 70°C

Storage humidity 5% RH ~ 95% RH

Scope of delivery SFP-4200,

Quick Installation Guide

performance

Reception sensitivity (dBm) -18 dBm

Physical Specifications

Dimensions (W x D x H) 14 x 57 x 12 mm

Product weight (kg) 0.02

System specifications

Data rate 1.25 Gbps

Optical transmission power (dBm) -9 to -4dBm

Port Configuration Duplex LC connector

Standards

- 1000BASE-SX
- SFP MSA SFF-8074i Compliant

Wavelength (nm) 850nm (VCSEL Laser Optical Components)

Technical properties

Compatible to	Standard
Connector	LC Duplex
Mode	Multimode

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Range	550 m
Speed	1,25 Gbit/s
Wave length	850 nm

Available variants

ArtNr.	Bezeichnung	Unique
SFP-4200	1.25Gbps Multi-mode Industrial SFP Transceiver, 550m, 850nm	Unique

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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