

What is the 8571 optical module



AI Overview

The 8571 optical module is a 10G SFP+ transceiver designed for high-speed data transmission over multimode fiber, supporting 10 Gigabit Ethernet and 10G Fibre Channel applications. Overview The FTLX8571 series, including models like FTLX8571D3BNL and FTLX8571D3BCV, are SFP+ (Small Form-factor Pluggable Plus) optical transceivers used in enterprise networks, data centers, and high-performance computing environments for 10GbE connectivity. These modules are compact, hot-pluggable, and designed to integrate seamlessly into switches, routers, and server adapters. Key Specifications Data Rate: Supports 10 Gbps for 10GBASE-SR and dual-rate modules can also support 1 Gbps for 1000BASE-SX. Wavelength: Operates at 850 nm, suitable for multimode fiber (MMF) transmission. Distance: Up to 300 meters over OM3 fiber and 400 meters over OM4/OM5 fiber. Connector Type: Duplex LC/UPC. Transmitter/Receiver: Uses a VCSEL laser for transmission and a PIN photodiode for reception. Digital Diagnostics Monitoring (DDM/DOM): Provides real-time monitoring of TX bias, optical power, voltage, and temperature. Operating Temperature: Standard commercial range 0 to 70°C; some extended temperature versions are available. Features Short Range (SR): Optimized for short-range multimode fiber connections. Hot-Pluggable: Can be installed or removed without powering down the host device. RoHS Compliant: Lead-free and environmentally compliant. Compatibility: Works with Intel X520/X710 server adapters and other SFP+ compatible devices. Applications Data Centers: High-speed interconnects between servers and switches. Enterprise Networks: Backbone and aggregation links requiring 10GbE. High-Performance Computing: Low-latency, high-bandwidth connections. Fibre Channel Storage Networks: 10G Fibre Channel links for storage area networks (SANs). Summary The 8571 optical module is a reliable, high-performance SFP+ transceiver for 10GbE and 10G Fibre Channel networks, offering short-range multimode fiber co...

Article Content

FTLX8571D3BCL-C2-C ATGBICS | Fiber Optic Transceiver Modules

FTLX8571D3BCL-C2-C - Transceiver Module Networking, General Purpose 10Gbps 850nm 3.3V LC Duplex Pluggable, SFP+ from ATGBICS. View datasheets, pricing and availability from DigiKey now!

Optical Module FTLX8571D3BCL-CS 10G 850nm 300m 10G Multi

Product description Fiber Optic Transmitters Model: FTLX8571D3BCL-CS Interface type: Dual LC Cable type: optical cable Transmission distance: 2 (km) Transmission method: optical fiber

Intel FTLX8571D3BCVIT1 Dual-Rate 1G/10G SFP+ | €7.90 | EDGE

Is FTLX8571D3BCVIT1 the same module as FTLX8571D3BCV-IT, and are they interchangeable? Both parts share the same Finisar BCV dual-rate optical engine and the same Intel OEM EEPROM scheme.

Source Photonics to Expand Optical Chip and Module Production

Source Photonics is one of the world's leading optical communications suppliers, with operations spanning optical chip R& D, wafer manufacturing, packaging and testing, and optical

FTLX8571D3BNL-E5 10Gb SFP+ Transceiver Guide

The Finisar FTLX8571D3BNL-E5 is a 10Gb/s SFP+ optical transceiver primarily used in 10-Gigabit Ethernet and Fibre Channel applications over multi-mode fiber (MMF). Based on current market

Finisar 10GBASE-SR/SW SFP+ FTLX8571D3BNL 300m Transceiver

Finisar's FTLX8571D3BNL Extended Temperature 10Gb/s SFP+ transceivers are designed for use in 10-Gigabit Ethernet and 10-Gigabit Fibre Channel links over multimode fiber. They are compliant with

Intel FTLX8571D3BCV-IT Datasheet

Intel FTLX8571D3BCV-IT 1G/10G Dual Rate 850nm Multimode SFP+ Optical Transceiver Module This Intel FTLX8571D3BCV-IT 1G/10G Dual-Rate SFP+ optical transceivers are designed for use in 1

Global AI Optical Transceiver Market to Reach US\$26 Billion in 2026 ...

TrendForce's latest research indicates that the global market for AI-focused optical transceivers has entered a phase of rapid growth, with market size projected to expand from

400G Optical Modules Explained: SR4 Vs. DR4 Vs. FR4 Vs. LR4

Key differences between SR4, DR4, FR4, and LR4 400G optical modules. Expert advice from Asterfusion engineers to optimize your data center network.

Distributed Fiber Optic Vibration Sensing (DVS) System

1. What is Distributed Fiber Optic Vibration Sensing (DVS)? Distributed Fiber Optic Vibration Sensing (DVS) is an advanced optical sensing technology that uses single-mode optical fiber (SMF, G652

FTLX8571D3BCV: A Comprehensive Review and Guide for 10G

The FTLX8571D3BCV is a 10G SFP+ SR optic module designed for high-speed data transmission over multimode fiber. It supports 10Gbps speeds, operates at 850nm wavelength, and is compatible with

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Intel FTLX8571D3BCV-IT 10G SR 850nm SFP+ Optical Transceiver Module

Mô tả Details The Intel FTLX8571D3BCV-IT 1G/10G Dual-Rate SFP+ optical transceivers are designed for use in 1-Gigabit and 10-Gigabit Ethernet links over multimode fiber. They are compliant with SFF

Finisar 1G/10G Dual-rate SFP+ FTLX8571D3BCV 850nm Transceiver

The FTLX8571D3BCV is a “limiting module”, i.e., it employs a limiting receiver. Host board designers using an EDC PHY IC should follow the IC manufacturer's recommended settings for interoperability

FTLX8571D3BNL-E5 FTLX8571 10G SFP+ 850NM 300M Multi-Mode 10G Optical Module

Product Description Fiber Optic Transmitters FTLX8571D3BNL-E5 FTLX8571 10G SFP+ 850NM 300M multi-mode 10G optical module

Intel FTLX8571D3BCV-IT Dual-Rate 1G/10G

EdgeOptic's FTLX8571D3BCV-IT compatible is an Intel-coded dual-rate version of the EdgeOptic 10G-SFP-300 multi-vendor 10GBASE-SR SFP+ transceiver.

FTLX8571D3BCL Coherent | Fiber Optic Transceiver Modules | DigiKey

FTLX8571D3BCL - Transceiver Module Ethernet 10Gbps 850nm 3.3V LC Duplex Pluggable, SFP+ from Coherent. View datasheets, pricing and availability from DigiKey now!

Intel FTLX8571D3BCV-IT Datasheet

This Intel FTLX8571D3BCV-IT 1G/10G Dual-Rate SFP+ optical transceivers are designed for use in 1-Gigabit and 10-Gigabit Ethernet links over multimode fiber. They are compliant with SFF-8431, IEEE

How to choose the right optical module

Optical modules, as key components for achieving high-speed optical fiber communication, are being more widely applied in data centers, communication networks, cloud

Finisar 1G/10G Dual-rate SFP+ FTLX8571D3BCV 850nm Transceiver

Finisar's FTLX8571D3BCV 1G/10G Dual-Rate SFP+ transceivers are designed for use in 1-Gigabit and 10-Gigabit Ethernet links over multimode fiber. They are compliant with SFF-8431, IEEE 802.3-2005

Contact Us

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