

Detailed Explanation of Finisar Optical Module Models



AI Overview

Finisar offers a wide range of optical transceiver modules including SFP, SFP+, QSFP, CFP2, and OSFP models for data center, telecom, and enterprise networks.

Overview of Finisar Optical Modules

Finisar manufactures pluggable optical transceivers that convert electrical signals to optical signals and vice versa, supporting high-speed data transmission over fiber networks. Their modules are widely used in data centers, 5G networks, enterprise networks, and telecom backhaul.

Key Module Families

- SFP (Small Form-factor Pluggable):** Standardized modules for data rates up to 4 Gb/s, widely used in legacy and modern networks.
- SFP+:** Enhanced SFP modules supporting 10 Gb/s and beyond, with lower power consumption and smaller footprint compared to XFP modules.
- QSFP/QSFP+:** Quad Small Form-factor Pluggable modules for 40 Gb/s links, suitable for high-density data center applications.
- QSFP28/QSFP112:** High-speed modules supporting 100 Gb/s and 400 Gb/s, used in modern Ethernet and telecom networks.
- CFP2:** Compact modules for 100 Gb/s applications, compatible with high-speed optical networks.
- OSFP (Octal Small Form-factor Pluggable):** Modules designed for 400 Gb/s Ethernet, supporting short- and medium-reach single-mode fiber links.

Example Models

- FTLX1471D3BTL-EA:** 10 Gb/s SFP+ long-reach module compatible with Ericsson equipment.
- FTLF8519P3BTL:** 10 Gb/s SFP+ short-reach module.
- FTLC9152RGPL:** 100 Gb/s QSFP28 transceiver.
- FTLC1122RDNL:** 100 Gb/s CFP2 module.
- FTL410QE4C:** 40 Gb/s QSFP+ short-reach module.
- FTCE4517E1PxA:** 2x400 Gb/s OSFP transceiver for up to 500m single-mode fiber.
- FTCD4538E1PCM:** DR4+ QSFP112 module for 400 Gb/s links up to 2 km single-mode fiber.

Features and Compatibility

Finisar modules are multi-brand compatible, supporting Cisco, HP, Huawei, Ericsson, Nokia, and other major telecom brands. They are rigorously tested...

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Introduction to Fiber Optics: Finisar's broad product selection and innovative technology have made us the optical module manufacturer of choice for all major networking equipment vendors worldwide. We

Finisar Optical Transceiver Product Guide

Finisar's transceivers feature a microprocessor and diagnostics interface that provides performance information on the data link. Users can remotely monitor—in real-time—received optical power,

PLUGGABLE FINISAR® TRANSCEIVERS FOR THE DATA CENTER

PLUGGABLE FINISAR® TRANSCEIVERS FOR THE DATA CENTER The data center ecosystem is going through unprecedented growth and innovation as new players, new business models and new

Finisar Transceivers and Active Optical Cables

Users can remotely monitor—in real-time—received optical power, transmitted optical power, laser bias current, transceiver input voltage and transceiver temperature of any transceiver in the network.

REFERENCE GUIDE

INTRODUCTION Broad product selection and innovative technology have made Finisar the optical module manufacturer of choice for all major networking equipment vendors world-wide. Finisar has

Finisar Transceivers and Communication Cables

Our Finisar® transceivers feature a microprocessor and diagnostics interface that provide performance information on the data link. Users can remotely monitor—in real-time—received optical power,

Finisar Products for Stable Fiber Optic Equipment Programs

Use the catalog tabs to review optical transceiver modules, SFP module families, DWDM system options, CWDM module selections, GPON OLT access equipment, and PLC splitter categories

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User manuals, Finisar Transceiver Operating guides and Service manuals.

Optical Transceivers | Coherent

Get the pluggable module performance you need from the manufacturer of choice for all major networking equipment vendors worldwide.

Finisar-Optical-Components-Product-Guide

Optical Components With over 200 million optical products operating in the world today, Finisar® is the leading supplier of active devices for data and telecommunications systems. The unique vertically

Finisar Transceivers and Communication Cables

Users can remotely monitor—in real-time—received optical power, transmitted optical power, laser bias current, transceiver input voltage and transceiver temperature of any transceiver in the network.

Reference Guide

Digital Diagnostics: Developed and patented by Finisar, this functionality enables real-time monitoring of 5 parameters critical to transceiver operation: transmitter output power, received optical power, laser

Transceivers, Transponders, and Active Optical Cables

Finisar's Patented Digital Diagnostics. Finisar's transceivers feature a microprocessor and diagnostics interface that provides performance information on the data link.

Finisar Computers & Hardware Solutions Guide

Fiber Optics for Military Applications Finisar designs and manufactures high-performance and reliable fiber optics products for military applications. With more than 25 years experience in the optical

Coherent - Mel Foster

Finisar offers a broad range of products and innovative technology and is the world's largest supplier of pluggable optical modules. Finisar has helped to transform the data communications and

Finisar QSFP Modules: A Buyer's Guide for Network Administrators

A practical guide to selecting Finisar optical transceivers for your enterprise network. Learn how to choose between QSFP and SFP modules based on your specific needs, compatibility requirements,

Finisar Transceivers, Transponders, and Active Optical Cables

Active Optical Cables Finisar SFP+ Active Optical Cable for 10G and 25G Ethernet. Also available with Connectivity Diagnostics® visual fault alert

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Integrated modules incorporating optical laser transmitters and photodiode receivers. These modules convert physical signals from electrical to optical (and vice-versa) in a network and couple the optical

FTRJ-8519-1 Specifications

Certain products may use one or more exemptions as allowed by the Directive. "Application Note AN-2038: Finisar Implementation Of RoHS Compliant Transceivers", Finisar Corporation, January 21,

II-VI/Finisar 100Gb CWDM4 Optical Transceiver

A fiber optical coupler and Arrayed Waveguide Grating (AWG) demultiplexer are used to connect the photodiode die with the fiber optic. This report contains an exhaustive analysis of the Finisar's 100G

II-VI/Finisar 100Gb CWDM4 Optical Transceiver

II-VI/Finisar 100Gb CWDM4 Optical Transceiver Deep analysis of FTLC1157RGPL-TE, the 100Gb CWDM4 optical transceiver from the US leading supplier.

Transceivers, Transponders, and Active Optical Cables

Finisar's transceivers feature a microprocessor and diagnostics interface that provides performance information on the data link. Users can remotely monitor—in real-time—received optical power,

Genuine II-VI Finisar Optical Transceivers and AOC

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With over 200 million optical products operating in the world today, Finisar® is the leading supplier of active devices for data and telecommunications systems.

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