

SFP56 Optical Module



Overview

SFP56 is a Small Form-Factor Pluggable optical module designed for 50Gbps Ethernet transmission over a single lane. It represents the next evolution of the SFP form factor, enabling higher bandwidth while maintaining the same compact physical interface used by SFP+ and SFP28 modules. The 50G Modules are based on SFP56 form factor. Click to get your 50g sfp56, qsfp28 transceiver modules from nearby warehouses. The main. Fibertop - Global Optical Module Manufacturer -HPC,Data Center Log in sign up ProfileLog out Optical Transceiver 800G OSFP 800G QSFP-DD 400G OSFP 400G QSFP-DD 200G QSFP56 100G QSFP28 QSFP28 Duplex QSFP28 BIDI QSFP28 PSM4 100G CFP QSFP28 DWDM 50G SFP56 SFP56 Duplex 40G QSFP+ QSFP+ Duplex QSFP+ BIDI. SFP56 optical transceiver modules are a single-lane, serial 4-level Pulse Amplitude Modulation (PAM4) technology providing a transmission rate of 50 Gbps and use LC connectors. Note that 50G SFP56 technology can not be split into two 25G flows - it is a single-lane, single-wavelength technology. NEC's 50G SFP56 optical transceiver, compared to optical transceivers that use analog CDR and DSP, offers better power consumption efficiency and enables high real-time communication. It can achieve twice the data transmission capacity of the 25G SFP28 optical transceiver.

Article Content

56G SFP56

The 56g SFP56 modules produced by SULITON are suitable for most switch brands on the market, such as MSA, Cisco, Huawei, Juniper, Dell, Edge-Core and other switches.

5G Optical Transceiver Market Report 2026

Key opportunities in the 5G Optical Transceiver Market include supporting rapid 5G infrastructure expansion and high mobile data demands with advanced transceivers. Emphasis on

400G OSFP

OSFP 400G Eoptolink's EOLO-134HG-5H-MXX OSFP DR4, 4x100G Optical transceiver module are designed for use in 400 Gigabit links over 500m

SFP56 Direct Attach over Copper (DAC) cables

SFP56 optical transceiver modules are a single-lane, serial 4-level Pulse Amplitude Modulation (PAM4) technology providing a transmission rate of 50 Gbps and

Optical Transceivers | Fiber Optic Transceivers | Form

Using fiber optic technology, it converts electrical signals from switches or routers into optical signals, transmitted as pulses of light, enabling

SFP Optical Transceiver Launch Strategies: Defining the New

But within this surge, SFP modules maintain a distinct advantage: scalability, cost-efficiency, and universal compatibility. While larger form factors such as QSFP and CFP dominate

Fortinet Transceivers Data Sheet

Transceiver Modules for Fortinet Products Highlights Copper and optical options
Supports SFP SFP+ SFP28 SFP56 QSFP+ DAC CFP2 QSFP28 QSFP56 QSFP-DD
Performance from 1 Gbps to 400 Gbps

Optical Modules: 400G, 800G, 1.6T, and PCB Selection in Manufacturing

How Are Optical Modules Categorized Based on Form Factor? SFP / SFP+ / SFP28 / SFP56 Speed: These modules cover speeds from 1.25G to 50G. Applications: Commonly used in

HPE 6400 24-port SFP+ and 4-port SFP56 v2 Module

HPE 6400 24-port SFP+ and 4-port SFP56 v2 Module - For Optical Network, Data Networking Optical Fiber - 28 x Expansion Slots - SFP+, SFP56 Expansion Module is the single answer to all your

Aruba 50G I-Temp LR SFP56 LC 10km SMF TAA S6H23A | PC-Canada

Aruba 50G I-Temp LR SFP56 LC 10km SMF TAA Transceiver For Data Networking,
Optical Network 1 x LC 50GBase-LR Network Optical Fiber Single-mode 50 S6H23A

200G QSFP-DD to 4x50G SFP56 Active Optical Breakout Cable

200G QSFP-DD to 4x50G SFP56 Active Optical Breakout Cable - 1 meter High-quality
optical transceiver from EDGE Optical Solutions.

FC SFP Module: Compatibility, Speed, and Selection Guide

Modern Fibre Channel optics are available in multiple speed generations, including 8G
FC, 16G FC, 32G FC, and 64G FC, with both multimode and single-mode options.
Choosing the

64G SFP56 Transceiver – Fiber Channel | OPTOKON

The OPTOKON SFP56 transceiver enables link distances of up to 100 m over
multimode fibre (MMF) using an LC duplex connector. It meets the requirements of
the SFF-8472, SFF-8431, SFF-8432,

SFP56 vs SFP28: What Are the Differences and How to Choose

SFP56 is a Small Form-Factor Pluggable optical module designed for 50Gbps Ethernet
transmission over a single lane. It represents the next evolution of the SFP form
factor, enabling higher bandwidth

50G SFP56

50G SFP56 optical module manufacturing factory Compatible 50GBASE transceiver
with pluggable optical fiber through LC duplex connector for 26.5625GBd PAM4
Ethernet applications.

4 Types of 50G SFP56 Transceivers Introduction

The 50G SFP56 optical transceiver module includes the 50G SFP56 dual-fiber
bidirectional module and the single-fiber (BiDi) module.

50G SFP56 LR Transceivers | Optical Transceivers

The module is compliant with IEEE 802.3 cd, SFF-8472 Rev 12.4, and compatible with
SFF-8432 and applicable portions of SFF-8431 Rev. 4.1.

How Optical Modules Power the Evolution of 5G Networks

Optical modules enable high-speed, low-latency 5G networks by converting signals
for fast, reliable data transfer, supporting seamless

50G SFP56 BR10/BR40 : Optical Transceiver Module

The 50G SFP56 optical transceiver is in high demand for its ability to achieve high-
capacity data transmission and ultra-low latency with low power consumption,

Custom 40G QSFP+ and 50G SFP56/QSFP28 Modules

WolonFiber manufactures strictly MSA-compliant 40G QSFP+, 50G SFP56, and 50G QSFP28 optical interconnects optimized for mission-critical telecommunications and campus deployments.

Contact Us

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