

Sff10m optical module model



AI Overview

The SFF10M optical module is a 10G SFP+ multi-mode transceiver supporting duplex LC connections, up to 300 meters over multi-mode fiber, and compliant with SFP+ MSA standards.

Key Specifications

- Data Rate and Fiber Type:** Supports 10 Gbps data transmission over multi-mode fiber (MMF). Maximum transmission distance is up to 300 meters using standard OM3/OM4 multi-mode fiber.
- Connector and Form Factor:** Uses a duplex LC UPC connector for fiber connections. Compliant with SFP+ small form-factor pluggable (SFP) multi-source agreement (MSA) standards.
- Hot-swappable design:** Allows insertion and removal without powering down the system.
- Power and Performance:** Low power consumption suitable for high-density switch deployments. MTBF (Mean Time Between Failures) rating of 5 million hours, ensuring reliability.
- Digital Diagnostic Monitoring (DDM):** Provides real-time monitoring of transmit/receive optical power, laser bias current, input voltage, and temperature.
- Compliance and Safety:** Classified as a Class 1 laser product under IEC/EN 60825-1:2014. Designed for industrial and enterprise networking environments with extended operating temperature ranges.

Usage Notes

For single-fiber bidirectional (BiDi) modules, they must be used in pairs with complementary wavelengths for upstream and downstream communication. Ideal for connecting 10G network switches, stacking switches, or linking 10G servers and storage devices.

Summary

The SFF10M module is a high-performance, reliable 10G multi-mode SFP+ transceiver suitable for short to medium-range fiber connections in enterprise and data center networks. It combines high-speed performance, low power consumption, and real-time monitoring to ensure efficient and safe operation in modern networking environments.

Article Content

SFP modules – transceivers for 1/2/4G fibre channel

SFP – small form factor – pluggable modules for various optical data communications such as Fast Ethernet, Gigabit Ethernet, BiDi, SDH Sonet and 4G.

How to Choose a 10G SFP+ Optical Module

How to Choose the Right Walsun 10G SFP+ Optical Module When selecting the appropriate Walsun 10G SFP+ optical module, it is essential to clarify the specific network

Cisco SFP Modules for Gigabit Ethernet Applications

This data sheet describes the benefits, specifications, and ordering information for the Cisco SFP Modules for Gigabit Ethernet Applications.

Cisco 10GBASE SFP+ Modules Data Sheet

This data sheet describes the benefits, specifications, and ordering information for the Cisco 10GBASE SFP+ Modules Data Sheet.

Ubiquiti 10Gbps Multi-Mode Optical Module 2-Pack for

The 10 Gbps Multi-Mode Optical Module, model UACC-OM-MM-10G-D-2, from Ubiquiti is a high-performance, dual-rate optical transceiver designed for use in

10G Multi-Mode Optical Module

SFP+ transceiver that supports 10G connections up to 400 m using multi-mode fiber with a duplex LC UPC connector.

Small Form-factor Pluggable

Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable (SFP) is a compact, hot-pluggable network interface module

10 Gigabit Fiber SFP+ Optical Transceiver Module

10 Gigabit ConnectivitySmall Size For High-Density Fiber ConnectionsCompatibilityHot-PluggableDigital Diagnostics MonitoringThe Intellinet Network Solutions 10 Gigabit Fiber SFP+ Optical Transceiver Module (model 507462) is fully hot-pluggable, and that allows you to install the module without rebooting your network switch for uninterrupted network traffic. See more on intellinetsolutions Category: Repeaters & TransceiversCables on Demand

Amphenol SF-FOHBB23PAO-010M 10m (32.8") External 4x HD Mini

This pre-assembled Mini-SAS HD optical cable solution reduces cost, install-time and optical insertion losses compared to using separate modules and patch cords.

Cisco Transceiver Modules

Cisco Transceiver Modules - Learn product details such as features and benefits, as well as hardware and software specifications.

10GE SFP+ Optical Modules

Single-fiber bidirectional (BIDI) optical modules must be used in pairs. For example, SFP-10G-BXU1 must be used with SFP-10G-BXD1.

Understanding SFF Transceivers in Modern Networking

While they may lack the glamour of hot-swappable modules, SFF optical modules are the workhorses of the networking world. Their soldered-in

Understanding SFF Transceivers in Modern Networking

Explaining what true SFF modules are, their critical advantages in fixed-configuration systems, and why they remain a cornerstone of modern

The Most Comprehensive Guide Of Optical Modules

Explore the ultimate guide to optical modules. Learn types, functions, performance metrics & how to choose the right module for your fiber network.

HD Mini-SAS Active Optical Cables (SFF-8644 AOC)

AOC Cables use a pair of low-power HD Mini-SAS 850nm Multimode Optical Transceiver Modules, permanently linked via a fixed length of OM3 Multimode

Cisco SFP Modules for Gigabit Ethernet Applications

Product overview The industry-standard Cisco Small Form-Factor Pluggable (SFP) Gigabit Interface Converter (Figure 1) links your switches and routers to the network. The hot-swappable input/output

SFF10M Optical Module Specifications

Features and Benefits The following table lists the different pluggable optic modules and supported platforms, along with the technical specifications for each.

10G SFP+ Optical Transceivers | Transceiver Module

FS 10GbE SFP+ module solutions provide a wide variety of 10 Gigabit Ethernet connectivity options for data centers, enterprise wiring closets, Internet Service

Ubiquiti 10Gbps Singlemode SFP+ Glasfaser-Modul im

Das 10 Gbps Single-Mode Optical Module, Modell UACC-OM-SM-10G-D-2, hergestellt von Ubiquiti, ist ein fortschrittlicher optischer Transceiver, der für die

Key Specifications for Palo Alto Networks Interfaces and

Each interface definition is supported by specifications and agreements defining the electromechanical coupling, electrical and optical

Inventory Of 10G Optical Modules

SFP+ optical modules are widely used in 10G Ethernet due to their advantages of compact size, low cost and high density, and they are currently

10GE SFP+ Optical Modules

CloudEngine 12800 and 12800E Series Switches Hardware Description This document provides an overall description of the CE12800 series switches hardware, helping you obtain detailed information

The Complete Guide to the Best Choice of 10G SFP

The Complete Guide to the Best Choice of 10G SFP+ Optical Modules 10G SFP+ Function Introduction 10G SFP+ (Small Form-Factor Pluggable Plus) optical

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