

Gigabit Single-Mode Optical Module Housing



Summary of Content

Gigabit single-mode SFP modules typically feature a compact, metal housing that ensures durability, EMI shielding, and hot-swappable operation for 1Gbps Ethernet over single-mode fiber.

Overview

A Gigabit Single-Mode Optical Module is a Small Form-factor Pluggable (SFP) transceiver designed to transmit and receive 1Gbps Ethernet signals over single-mode fiber (SMF) links. The housing of these modules is usually made of metal, which provides mechanical protection, electromagnetic interference (EMI) shielding, and thermal stability for the internal optical and electronic components. This robust design allows the module to operate reliably in enterprise, industrial, and harsh environmental conditions.

Key Features of the Housing

- **Hot-Swappable Design:** The SFP housing allows the module to be inserted or removed from a switch or router without powering down the device, minimizing network downtime.
- **Compact Form Factor:** The small size of the SFP housing enables high-density port deployment in network switches and routers, making it ideal for environments with limited rack space.

Article Content

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

SFP transceivers are valued for their flexibility, low power consumption and ability to support both single-mode and multimode fiber,

Gigabit Fiber SFP Optical Transceiver Module

Utilizing LC connectors and operating at a 1310nm wavelength, it enables high-speed data transmission over single-mode fiber for

Gigabit SFP Module: A Complete Guide to 1G SFP Transceivers

Learn what a gigabit SFP module is, how it works, main types, key specifications, and common use cases to choose the right 1G

Cisco SFP Modules for Gigabit Ethernet Applications Data Sheet

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

1G SFP Transceivers | Mini-GBIC SFP Modules

Click to get your 1GBE transceiver modules from nearby warehouses. 30-Day Free Return. Trusted by 260K+ Enterprise Users.

Cisco SFP Modules for Gigabit Ethernet Applications

The 1000BASE-ZX SFP operates on standard single-mode fiber-optic link spans of up to approximately 70 km in length. The SFP

Industrial Gigabit Fiber SFP Optical Transceiver

Also known as a mini-Gigabit Interface Converter (GBIC), this industrial SFP module's metal housing offers

Gigabit Fiber SFP Optical Transceiver Module

The new Intellinet Network Solutions Small Form Factor Pluggable (SFP) Transceiver provides the best combination of performance

SFP Transceiver

Utilizing LC connectors and operating at a 1310nm wavelength, it enables high-speed data transmission over single-mode fiber for

Gigabit single-mode single-core fiber optic module

Therefore, the 155M optical module is also called FE (100M) optical module, and the 1.25G optical module is also called

Intellinet Gigabit Fiber SFP Optical Transceiver Module (506724)

The new Intellinet Network Solutions Small Form Factor Pluggable (SFP) Transceiver provides the best combination of performance

Industrial Gigabit Fiber SFP Optical Transceiver Module, Single-Mode

Also known as a mini-Gigabit Interface Converter (GBIC), this industrial SFP module's metal housing offers increased durability while

Contact Us

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