

Article Overview

Genuine SFP optical transmitters are high-quality, certified modules designed for reliable data transmission over fiber or copper networks, offered by trusted manufacturers like HGTECH and Syrotech Networks.

What is a Genuine SFP Optical Transmitter

An SFP (Small Form-Factor Pluggable) optical transmitter is a compact, hot-pluggable module used in telecommunications and data networks to transmit data over fiber optic or copper cables. Genuine modules are manufactured according to industry standards, ensuring reliable performance, compliance with SFP+ Multi Source Agreement (MSA), and CE/RoHS certification . They support diagnostic features like DDM/DOM to monitor operating conditions and maintain network stability .

Trusted Suppliers and Products

- o HGTECH Modules: HGTECH offers high-performance SFP transceivers supporting multi-rate data transmission from 1.25 Gbps up to 10.31 Gbps, with distances ranging from 2 km to 15 km depending on the model. These modules use high-quality DFB or FP lasers and are designed for single-mode fiber (SMF) applications .
- o Syrotech Networks: Provides industry-standard SFP modules suitable for both fiber and copper networks, optimized for seamless integration and high-speed connectivity .
- o EDGE Optical Solutions: Offers HG Genuine compatible SFP+ modules like the MBS-1C41-27, which match OEM specifications, support DDM/DOM diagnostics, and operate in standard temperature ranges (-40? to 85?C) for applications such as 10G Ethernet, Gigabit Ethernet, and STM-64 .

Key Features of Genuine SFP Modules

- o Data Rates: Typically 1.25-10.31 Gbps, supporting Ethernet, STM, and other protocols .
- o Fiber Type: Single-mode fiber (SMF) or multi-mode fiber (MMF), depending on the module.
- o Wavelengths: Commonly 1270-1330 nm for uplink/downlink, with DFB or FP lasers .
- o Certifications: CE/RoHS compliance ensures safety and environmental standards .
- o Diagnostics: DDM/DOM support provides real-time monitoring of optical power, temperature, and voltage .
- o Compatibility: Designed to meet SFP+ MSA SFF-8432 standards, ensuring interoperability with network equipment .

How to Verify Authenticity

- o Purchase from authorized distributors like Mouser Electronics, GenuineModules.com, or EDGE Optical Solutions .
- o Check product datasheets for specifications, certifications, and supported applications.



SFP optical transmitter genuine product

- o Verify packaging and labeling for OEM branding and serial numbers.
- o Confirm compatibility with your network equipment and intended fiber type. Genuine SFP optical transmitters ensure stable, high-speed network performance, reduce the risk of failures, and provide long-term reliability for data centers, ISPs, and enterprise networks .

HGTECH 10G 1310nm 10km SM SFP+ Optical Transceiver Module MTRS-02X13-G MTRS-02X13-G is a high performance, cost

Kaufen Sie BlueOptics SFP, SFP+, QSFP und QSFP28 Transceiver, DAC und AOC Kabel direkt ab Lager. Versand heute.

Buy Genuine HGTECH Transceiver Modules from GenuineModules.com with best price and fast worldwide

Kaufen Sie das ständig wachsende Portfolio von FS an 100M/1G/2.5G SFP-Transceivern, Transceiver

Small Form-Factor Pluggable Transceivers SFP (Small Form-factor Pluggable) transceivers (SFPs) are hot-swappable optical and

Transceivers The Hirschmann line has a variety of transmitter and receiver options available, allowing

Single Mode SFP Module The single mode SFP module is one of the most common SFP transceiver types; sometimes, we refer to it

Advantech's Small form-factor pluggable (SFP) transceiver modules provide a variety of speed, distances,

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The Lumentum tunable SFP+ module is a high performance tunable pluggable transceiver for use in the C-band window covering

SFP+ Fiber Optic Transmitters, Receivers, Transceivers are available at Mouser Electronics. Mouser offers inventory, pricing, &

Our SFPs are rigorously tested and Certified by TC, FCC, CE, RoHS and BIS - ensuring compliance for

High-Speed Optics for Scalable Networks Network transceivers combine a transmitter and receiver to

13 SFP Module Manufacturers in 2026 This section provides an overview for sfp modules as well as their applications and principles.



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HG Genuine is an optical module manufacturer, so the MTRS-1S70-01 is a standard grey 10GBASE-ZR

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