

1G Optical Transceiver Module



Overview

SFP transceiver that supports 1G connections up to 550 m using multi-mode fiber with a duplex LC UPC connector. Power Consumption CLASS 1 LASER PRODUCT, IEC/EN 60825-1:2014 Do not look into the ends of the fiber optic cable or SFP module while. Have any questions?

Talk with us directly using LiveChat., from 100m to 160km, for 1G switches, routers, servers, NICs and other transmission equipment. Click to get your 1Gbps transceiver modules from nearby warehouses. These compact and hot-pluggable modules efficiently convert electrical signals into optical signals, ensuring seamless data communication across diverse applications. 1G SFP optical transceiver modules for multi-mode and single-mode in distances ranging from 300 meters up to 80km with a limited lifetime warranty. Therefore, it is sometimes called 1G SFP or GE SFP module. Furthermore, each unit has a. 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 device plugs into a Gigabit Ethernet port or slot.



Article Content

1G SFP Optical Transceivers | Transceiver Modules

Store.QSFPTEK 1G SFP transceivers provide wide selection for various Gigabit Ethernet applications, such as 100+ vendors compatibility, copper/fiber, SMF/MMF, 100m to 80km.

1G SFP - Optcore

1G / 1000BASE SFP Optcore's 1000BASE SFP transceiver is suitable for 1G Ethernet and fiber channel applications. Therefore, it is sometimes called 1G

Optical Transceiver Market Size, Share, Industry Report

Optical Transceiver Market Size The global optical transceiver market was valued at USD 13.4 billion in 2025. The market is expected to grow from USD 15.4 billion in

Fiber Optical Transceiver Module Manufacturer,

Sopto manufactures and supplies cost-effective optical transceiver modules.

Optical Transceiver: SFP vs SFP+ vs QSFP28 vs QSFP

This article provides a comprehensive comparison of mainstream optical transceivers, including SFP, SFP+, QSFP+, QSFP28, and QSFP-DD. It

Optical Transceivers from 1G to 400G | Solid Optics

Compatible optical transceivers 1G, 10G, 25G, 40G and 100G in multiple form factors including SFP, SFP+ XFP, QSFP+, QSFP28 and CFP with a lifetime warranty.

SFP Optical Transceiver Modules for Long Distance: A Complete

Discover everything you need to know about SFP optical transceiver modules for long-distance fiber transmission. Compare LX, EX, ZX models and choose the right module for your

Optical Transceivers SFP SFP28 QSFP28 QSFP-DD

Optical Transceivers Optical Transceivers You Can Trust. At Pivotal Optics, we deliver transceiver solutions you can count on— precision-built, MSA-compliant,

1G SFP Optical Transceiver Modules | Solid Optics

1G SFP optical transceiver modules for multi-mode and single-mode in distances ranging from 300 meters up to 80km with a limited lifetime warranty.

EML vs VCSEL vs CW Laser: Optical Transceiver

Compare EML, VCSEL, and CW laser technologies in optical transceivers. Covers cost, reach, speed, the 2025 EML shortage, and silicon

AI Data Center Optical Transceiver Module Market

The AI-driven demand for optical transceivers represents the most significant growth catalyst in the optical communications industry.

1.6T OSFP 2xDR4/DR8, 1310nm, 500m, DDM, CDR,

The MJ-OSFP1.6TB-DR8 is a cost-effective, high-performance OSFP module tailored for AI datacenter applications, delivering an aggregate throughput of 1.6

Arista Optics Modules and Cables

All interface speeds, from 1G to 400GE have connectivity options that include Direct Attach copper Cables (DACs), Active Optical Cables (AOCs), multi-mode fiber and single-mode fiber transceivers.

Cisco Optics | Transform Your Network

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your network.

1G Multi-Mode Optical Module

SFP transceiver that supports 1G connections up to 550 m using multi-mode fiber with a duplex LC UPC connector.

Cisco 10GBASE SFP+ Modules Data Sheet

The Cisco® 10GBASE SFP+ modules (Figure 1) give you a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise

Optical Transceiver Market Size, Share, and Trends Analysis 2032

The global Optical Transceiver market size was estimated at USD 13.08 Billion in 2024 and is estimated to grow at a CAGR of 15.41% from 2025 to 2032.

1G SFP Transceivers | Mini-GBIC SFP Modules

FS gigabit ethernet transceiver solutions provide fibre or copper options including 1000BASE-SX, 1000BASE-LX/LH, 1000BASE-T etc., from 100m to 160km, for

Optical Transceiver: 400G, 800G, 1.6T and the Leap to

Learn how 400G, 800G, 1.6T, and 3.2T optical transceivers—powered by silicon photonics and CPO—are updating AI, cloud,

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.

Silicon Photonics Based 1.6T Transceiver Modules

Mar. 31, 2025. Coherent will show a live demonstration of its silicon photonics-based 1.6T-DR8 transceiver module using a Marvell® Ara 3nm optical digital signal

1G SFP Optical Transceivers | SX, LX, TX Modules

Discover reliable and versatile 1G SFP optical transceivers fully compatible with Cisco, Huawei, Juniper, Arista, and more. Choose from SX, LX, and TX modules.

OSFP Transceivers: High-Density Optical Connectivity from 400G to 1

As hyperscale data centers shift toward AI-optimized fabrics and ultra-high-bandwidth switching platforms, the OSFP (Octal Small Form-Factor Pluggable) form factor has become central

Contact Us

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