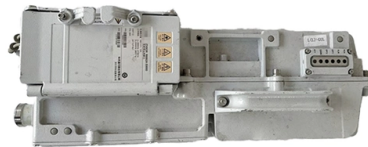


Gigabit Fiber Optic Switch Transceiver



Article Overview

Gigabit fiber optic transceiver switches enable high-speed network connectivity using fiber optics, supporting SFP modules for flexible, scalable, and reliable data transmission.

Overview

A Gigabit Fiber Optic Transceiver Switch is a network switch that supports 1 Gbps (Gigabit) data rates over fiber optic connections. These switches use Small Form-Factor Pluggable (SFP) modules to connect to fiber cables, allowing flexible deployment with multimode or single-mode fiber depending on distance and application requirements. They are available in managed and unmanaged Layer 2 and Layer 3 configurations, providing options for network control, VLANs, and routing.

Key Components

- **SFP Modules:** Hot-swappable transceivers that plug into switch ports. They support various standards such as 1000BASE-SX (short-range multimode), 1000BASE-LX/LH (long-range single-mode), and 1000BASE-ZX (extended reach up to 70 km) for gigabit Ethernet.
- **Media Converters:** Devices like the TP-Link MC200CM convert fiber signals to copper Ethernet (1000BASE-T) and vice versa, enabling integration with existing copper networks.
- **Switch Ports:** Gigabit fiber switches often include a mix of SFP ports and copper RJ-45 ports, allowing hybrid connectivity for flexible network design

Article Content

May 10, 2026

Cisco Optics | Transform Your Network

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

Sep 17, 2025

Cisco Gigabit Ethernet GBIC/SFP Modules

Cisco offers a range of GBIC transceivers and Small Form-factor Pluggables (SFP) transceivers for Gigabit

Jan 25, 2026

Data Center Transceivers & Cables

Arista's transceivers and cables offer customers a wide variety of connectivity options over copper or fiber for data center and HPC

Aug 11, 2025

100M Optical Fiber Transceiver Vs. Gigabit Optical Fiber Transceiver ...

We can find Optical Fiber Transceiver ports in telecommunication equipment, such as routers, switches, etc. There

Dec 06, 2025

Cisco Gigabit Ethernet GBIC/SFP Modules

These small, modular optical interface transceivers offer a convenient and cost effective solution for the

Jan 05, 2026

Hanutech 10/100/1000Mbps Unmanaged Fiber Switch-2SFP 4RJ45

This HANUTECH Gigabit Ethernet Fiber Switch has 4 10/100/1000M UTP ports and 2 fiber port or 2 1000M SFP slot. The product is

Oct 12, 2025

Gigabit Fiber SFP Optical Transceiver Module

Gigabit Fiber SFP Optical Transceiver Module The line of Intellinet Network Solutions Small Form Factor Pluggable (SFP)

Feb 04, 2026

Fiber Optic Transceiver SFP Gigabit Ethernet, 120 km

The L-com FXC-SFP1G-55-120 is an SFP form-factor transceiver, supporting Gigabit Ethernet data rates.

Dec 05, 2025

SFP/SFP+, QSFP Network Transceivers & Media Converters | Newegg

Shop SFP, SFP+, SFP28 and QSFP transceivers plus Ethernet-to-fiber media converters. Browse 10G/25G/40G/100G options by

May 12, 2026

50/25/10/1G Transceiver Modules | Optical Transceivers

FS provides 50/25/10/1G transceivers modules in SFP/SFP28/SFP56/QSFP28 form factor, supporting transmission distances from

Dec 26, 2025

10 Gigabit Fiber SFP+ Optical Transceiver Module

The Intellinet Network Solutions 10 Gigabit Fiber SFP+ Optical Transceiver Module (model 507479) is fully hot-pluggable, and that

Jun 30, 2026

SFP+, XFP, QSFP+, DAC Twinax Cable 10Gtek Transceivers Co., Ltd

Transceivers SFP+ transceiver is a standardized form factor for fiber optic and is used in datacom and telecom optical links, offering

Mar 31, 2026

Transceiver kaufen – SFP, SFP+ & QSFP Module

SFP/SFP Modul/Transceiver/QSFP/OSFP Bei uns finden Sie qualitativ hochwertige und kompakte SFP Module und Transceiver in

Oct 03, 2025

Small Form-factor Pluggable

Small Form-factor Pluggable Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable

Nov 29, 2025

Cisco MGE SFP Modules Cisco Small Business Network Accessories

Product overview Cisco® MGE Small Form-Factor Pluggable (SFP) or mini Gigabit Interface Converter (mini-GBIC) transceivers are

Feb 15, 2026

An introduction to SFP ports on a Gigabit switch

An SFP module, or transceiver, acts as a converter between the network switch and a fiber optic or Ethernet cable.

Dec 29, 2025

TP-Link Gigabit SFP to RJ45 Fiber Media Converter | Fiber to

Buy TP-Link Gigabit SFP to RJ45 Fiber Media Converter | Fiber to Ethernet Converter: Network Transceivers - Amazon FREE

Oct 30, 2025

Cisco 40 Gigabit Modules

Cisco offers a broad range of 40 Gigabit Ethernet interfaces to meet the high-performance connectivity requirements of campus, data

Dec 27, 2025

What is Optical Transceiver: A Beginner Guide (2024)

Optical Transceiver Applications Fiber Optic Transceiver is widely found in wired networking applications such as

Feb 18, 2026

4-Port Gigabit Ethernet Fiber Switch, with Two SFP Slots (1000M ...

10Gtek focuses on developing high performance cable and transceiver solutions for data center, HPC and AI applications. The main

Oct 28, 2025

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

A gigabit SFP module is a hot-pluggable transceiver designed to deliver 1Gbps Ethernet connectivity over fiber or copper, and it

Sep 19, 2025

Intellinet Gigabit Fiber SFP Optical Transceiver Module (545044)

The Intellinet Network Solutions Gigabit Fiber SFP Optical Transceiver Module (model 545044) is fully hot-pluggable, and that allows

Sep 22, 2025

Gigabit Fiber SFP Optical Transceiver Module

Compatibility in your network is everything, and the Intellinet SFP Transceiver Module delivers. Use it with

Sep 21, 2025

Optical Transceiver Types: Use Cases, Compatibility & Buying Tips

Explore optical transceiver types, real-world use cases, and expert buying tips to help you choose the right SFP,

Jun 10, 2026

Understanding Cisco Transceiver Modules: A Comprehensive Guide

Cisco optical transceivers convert electrical signals into optical signals, enabling high-speed data transmission over

Apr 11, 2026

Fiber Optic Transceivers | SFP, QSFP & GBIC | High-Performance

Shop SFP, QSFP, and GBIC transceivers for Gigabit Ethernet over multimode and singlemode fiber. Hot-pluggable, scalable, and

Dec 13, 2025

Gigabit Fiber SFP Optical Transceiver Module

The transceiver comes in a mini-GBIC form factor, making it ideal for environments that require many fiber

Nov 16, 2025

Cisco MGE SFP Modules Cisco Small Business Network Accessories

The Cisco MGE transceivers provide fast, reliable connectivity between switches located on different floors, in separate buildings, or

Oct 01, 2025

Optical Transceivers for all switches | Optcore

Discover the Best Optical Transceivers for All Switches! OPTCORE offers a vast selection of Fiber Optical Transceivers at steep

Nov 11, 2025

Different types of transceivers(GBIC, SFP, SFP+, SFP28, QSFP,

GBIC (Gigabit Interface Converter) A gigabit interface converter (GBIC) is a transceiver that converts electric currents

Apr 27, 2026

Cisco Transceiver Modules

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

Jun 16, 2026

Fast, Gigbit, and 10 Gigbit Ethernet Switches with SFP+ Modules

Managed and unmanaged Layer 2 and Layer 3 fiber optic Ethernet switches. With 10G SFP+ fiber optic transceiver modules, they

Mar 21, 2026

SFP Fibre Module (Transceiver)

SFP Fibre Module (Transceiver) SFP Fibre Modules connect a single network device to a wide variety of fibre cable distances and

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://khanimamboguesthouse.co.za>

Email: sales@khanimamboguesthouse.co.za

Phone: +27 64 852 1973

Address: Unit 7, Greenway Business Park, 8 Innovation Drive, Centurion, 0157, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

