

Gigabit optical port transmission rate of the switch

Overview

The SFP port supports a Gigabit Ethernet transmission rate of 1000 Mbps. Compared to standard RJ45 electrical ports, the SFP port can be paired with different types of SFP optical modules to achieve varying transmission distances, such as 500m (multimode), 20km (single-mode), and. This document describes the Gigabit Passive Optical Network (GPON) technology and how it functions. There are no specific requirements for this document. This document is not restricted to specific software and hardware versions. 3ab, and IEEE 802 tect and restart the cameras that do not re pply 1/2 -), 3/6(+) Recommendation ITU-T G. 3 describes the transmission convergence layer for gigabit-capable passive optical networks – a family of flexible access networks capable of providing a range of broadband and narrow-band services, operating at the rates of 2.



Article Content

Jan 17, 2026

DS-3E0528HP-E 24 Port Gigabit Unmanaged PoE Switch

DS-3E0528HP-E 24 Port Gigabit Unmanaged PoE Switch is of network access to ensure stable data upload. The switches support Hi-PoE, long 20 × gigabit PoE port, 4 × gigabit Hi-PoE port, 2 × gigabit ...

Mar 31, 2026

Gigabit 28-port Ethernet switch-Security Ethernet Switch

The ONV-H3028FB is a Gigabit Ethernet switch independently developed by ONV. It has 4*1000Base-X uplink SFP fiber ports and 24*10/100/1000Base-T adaptive RJ45 ports.

Jan 20, 2026

25GS-PON Specification 25 Gigabit Symmetric Passive Optical ...

ata rate of 25 Gbit/s in the downstream and both 10 and 25 Gbit/s in the upstream directions. This specification contains the general requirements, physical media dependent layer requirements, transmi

Jul 30, 2025

ITU-T Rec. G.984.3 (01/2014) Gigabit-capable passive optical ...

3.2.10 gigabit-capable passive optical network (G-PON): A variant of the passive optical network (PON) access technology supporting transmission rates in excess of 1 Gbit/s and based on the G.984 ...

Apr 14, 2026

Gigabit Switch SFP Port: Functions and Practical ...

The SFP port supports a Gigabit Ethernet transmission rate of 1000 Mbps. Compared to standard RJ45 electrical ports, the SFP port can be paired ...

Jan 31, 2026

Understand GPON Technology

This document describes the Gigabit Passive Optical Network (GPON) technology and how it functions.

Aug 02, 2025

Detailed explanation of RJ45 and SFP ports in Gigabit Ethernet switches

The SFP port follows the 1000BASE-T (IEEE 802.3ab) standard and also supports a transmission rate of 1000 Mbps. Unlike RJ45 ports, SFP ports require inserting SFP optical modules first, and then ...

May 15, 2026

GAOTek Gigabit Optical Switch

GAOTek gigabit optical switches are high-performance network switches that offer versatile 10 Mbps or 100 Mbps or 1000 Mbps transmission rates with full and half-duplex communication support.

Nov 13, 2025

Gigabit Switch SFP Port: Functions and Practical Applications Explained

The SFP port supports a Gigabit Ethernet transmission rate of 1000 Mbps. Compared to standard RJ45 electrical ports, the SFP port can be paired with different types of SFP optical ...

Oct 31, 2025

GSW-2401

It can automatically identify and determine the correct transmission speed and half/full duplex mode of the attached devices with its 24 Gigabit ports that support 9K jumbo frame feature.

Mar 08, 2026

Detailed explanation of RJ45 and SFP ports in Gigabit ...

The SFP port follows the 1000BASE-T (IEEE 802.3ab) standard and also supports a transmission rate of 1000 Mbps. Unlike RJ45 ports, SFP ports require inserting ...

Aug 04, 2025

How to interconnect the Gigabit RJ45 port with the SFP optical port ...

Now Gigabit Ethernet has been popularized in a large area, and Gigabit Ethernet switches are also widely used in scenarios such as enterprise networks and optical access networks. ...

Contact Us

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