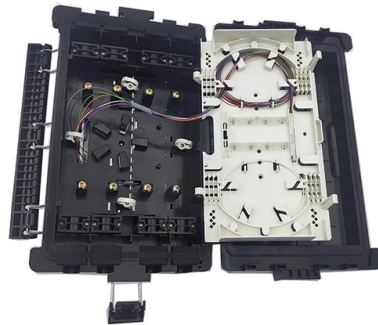


Configure the switch s gigabit optical port



AI Overview

To configure a gigabit optical port, set the speed to 1000 Mbps, enable full-duplex mode, and configure autonegotiation and flow control as needed.

Step 1: Identify the Port and Medium

Most switches have SFP or combo ports for gigabit optical connections. Ensure you know the port number (e.g., g0/1) and that the medium is set to fiber if the port supports both copper and fiber. On ExtremeXOS switches, you can specify the medium using the medium fiber keyword when configuring the port .

Step 2: Configure Speed and Duplex

Gigabit optical ports typically operate at 1000 Mbps and full-duplex. On many switches, the optical port defaults to full-duplex and cannot operate in half-duplex mode . Example commands:

- ExtremeXOS: configure ports g0/1 medium fiber auto off speed 1000 duplex full
- Hikvision Layer-2 interface: duplex full (optical interfaces are fixed to full-duplex),

Step 3: Enable or Disable Autonegotiation

Autonegotiation allows the port to automatically detect speed and duplex with the connected device. For gigabit optical ports....

Article Content

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Once 10g-tx is configured on yellow ports, ports to the left, right, top and bottom of the yellow port are referenced as

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To configure the full duplex operation on a Gigabit Ethernet interface when not using auto-negotiation, use the duplex

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1 G SFP-T port with 100 Mbps configuration using set interfaces <interfaces-name> speed 100m operates only in 100 Mbps speed on

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This document describes all the configuration commands of the device, including the command function, syntax, parameters, views,

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For example, you may want to attach a shared device such as a printer or file server, configure port forwarding, or set up the switch

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Port Physical Characteristic Configuration Commands

The gigabit optical interface enables auto-negotiation function by default. The optical/electric port cannot support the gigabit and full

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Interfaces User Guide for Switches

If your switch runs software that does not support ELS, see Configuring Gigabit Ethernet Interfaces (CLI Procedure).

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What is an SFP Port? The Gigabit Interface Converter (GBIC) or Small Form-factor Pluggable (SFP) port is a modular

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4 nnect the Fiber Optic Cable For Duplex LC Cable: Attach the TX (transmit) fiber to the module''s TX port and RX

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Configure the Link Settings Devices include a factory-default configuration that: Enables all 10-Gigabit Ethernet

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