Supports 100Mbps fiber optic switches

Overview

The Cisco FET-10G Fabric Extender Transceiver supports link lengths up to 100m on laser-optimized OM3 or OM4 multimode fiber.

Key Takeaways

To configure a 100Mbps fiber optic switch, you need to install compatible 100BASE-FX SFP modules, set the port speed to 100 Mbps, configure duplex mode, assign VLANs, and save the configuration. Step 1: Install the 100BASE-FX SFP ModuleInsert a 100BASE-FX SFP transceiver into the fiber-enabled port of your switch. These modules support 100Mbps Fast Ethernet over multimode fiber at 1310nm and can reach distances up to 2 km, providing strong EMI immunity and reliable connectivity in industrial or legacy networks.

Step 2: Connect Fiber CablesUse multimode fiber cables to connect the SFP module to the corresponding device or switch. Ensure proper TX/RX alignment and check that the fiber connectors are clean to avoid signal loss. Step 3: Access the SwitchConnect your computer to the switch using an Ethernet cable or console connection.

Use a terminal client like PuTTY to log in to the switch with the switch's IP address. Configure basic settings such as hostname, enable password, and management IP if not already set. Step 4: Configure Port Speed and DuplexFor 100FX SFP ports, manually set the speed to 100 Mbps and the duplex mode to full (or half if required).

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

On Extreme

Switching devices, the command format is: CodeCopyconfigure ports port_list {medium fiber} auto off speed 100 duplex full If autonegotiation is enabled, the switch will automatically select the best speed and duplex supported by the connected device. Step 5: Configure VLANsCreate or assign a VLAN for the fiber ports to separate network traffic. For example, on Cisco switches: CodeCopyvlan 10name Fiber_VLANinterface range gi1/0/1 - 2switchport mode accessswitchport access vlan 10 This ensures that fiber traffic is properly segmented and managed.

Step 6: Verify ConnectivityCheck the link status and port LEDs to confirm the fiber connection is active. Use commands like show interfaces status or show vlan brief to verify that the port is up and assigned to the correct VLAN. Step 7: Save ConfigurationAfter completing the setup, save the configuration to the switch's memory to ensure it persists after a reboot: CodeCopycopy running-config startup-config This stores the current settings in flash memory.

Best Practices

Ensure SF

P module compatibility with your switch model. Keep fiber connectors clean and avoid bending cables sharply. Use full-duplex mode for optimal performance.

Document VLA

N assignments and port configurations for future maintenance. By following these steps, your 100Mbps fiber optic switch will be properly configured for stable and reliable network operation.

Article Content

100BASE FX SFP: Complete Guide to 100Mbps Fiber Transceivers

A 100BASE FX SFP enables 100Mbps Fast Ethernet transmission by converting electrical signals from a switch or media converter into optical signals for fiber transmission, and then converting them back to

Cisco 10GBASE SFP+ Modules Data Sheet

The Cisco FET-10G Fabric Extender Transceiver supports link lengths up to 100m on laser-optimized OM3 or OM4 multimode fiber. It is supported on fabric links from a Nexus 2000 to a Cisco

100M SFP Transceiver Modules Data Sheet | FS

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

Product overview The FS® 100BASE Small Form-Factor Pluggable (SFP) device (Figure 1) is a hot-swappable input/output device that plugs into Fast Ethernet ports, dual-rate Fast/Gigabit

Cisco Fast Ethernet SFP Modules

100BASE-BX: SFP operates on ordinary single-mode SINGLE STRAND fiber optic link spans of up to 10km in length. A pair of a 100BASE-BX-D and a 100BASE

IBS-102FX-SS-LC

IBS-102FX series are the external Bypass switches for 100M/1G/10G fiber optical networks. These fiber optical bypass switches protect the network from failures and subsequent maintenance by ensuring

Shenzhen Marstars Technology Co.,Ltd

MarStars manufactures a wide range of fiber optic switches that provide links for your 10Base, 100Base, 1000Base Gigabit, and 10 Gigabit networks simultaneously with fiber uplink ports or all fiber

SFP-100M Series

The AMG SFP-100M series are industrial 100Mb Ethernet SFP''s offering support for multiple cable types including copper (Cat5 or higher) as well as Multimode or

100m optic fiber switch: Speed, Compatibility & Uses Explained

The global market for 100m fiber optic switches is experiencing robust growth, projected to expand at a CAGR of 8.7% through 2028. This momentum is fueled by escalating demand in key

GAOTek 6-Port 10/100Base-Tx and 2-Port 100Base-Fx Fiber Ethernet

The GAOTek 6-Port 10/100 Base-Tx and 2-Port 100 Base-Fx Fiber Ethernet Switch has six 10/100M RJ-45 ports and two optical ports for easy implementation and expansion of 100Base-TX/FX networks.

PoE Fiber Switch: Master the 100M 3SFP/SC+6RJ45

This 100M 3SFP/SC+6RJ45 PoE Fiber Switch combines flexible ports, robust performance, and energy efficiency for reliable network connectivity.

AT-SPFX/2-90 Allied Telesis 100Base-FX 1x MMF 2km 1310nm

Buy Allied Telesis AT-SPFX/2-90 100Base-FX multimode fiber transceiver for medium-range networks. Ideal for fiber optic LANs. In stock at TechAtlantix with fast shipping and enterprise support.

SFPF1302C StarTech 100Mbps 100Base-FX SFP Multimode Fiber

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

The SFPF1302C is a 100Mbps 100Base-FX SFP transceiver designed to provide dependable fiber optic connectivity in network environments. It is commonly found in fiber-based Ethernet infrastructures,

180km~200km 100Mbps SFP Optical Transceiver with 1550nm DFB

C-LIGHT 180km~200km 100Mbps SFP optical transceivers feature 1550nm DFB laser, APD receiver, and high optical budget for long-distance industrial Ethernet, power, railway, and telecom

What is Ethernet?

3. 10 - Gigabit Ethernet Speed: 10 Gbps Media: CAT6a, CAT7, and fiber optic cables Supports long distances (up to 10 km with fiber) Widely used in data centers and enterprise backbones 4. Switch

Ethernet Cables Types: Cat 3, 5, 5e, 6, 6a, 7, 8 Wires Explained

This tutorial explains the Definition of ethernet cables, ethernet cable types, shielded cables, and Ethernet cables categories like Cat 3, 5, 5E, 6, 6a, 7, 9 ETC.

Differences Between Optical Modules SFP, SFP+, CFP, XFP, QSFP?

The device supports rates from 100Mbps to 10Gbps and, like the SFP, has digital diagnostics to monitor link performance. Developed for high-density applications, the QSFP''s four

Used Premium 10/100Mbps Ethernet to Fiber Optic Media Converters ...

Internal power supply : AC100 ~ 265V / DC5V switching power supply Working temperature : 0 ~ 50 degree Storage temperature : - 40 ~ 70 degree Built-in power Package: ESD package fiber optic

10 Best Fiber Optic Media Converters (May 2026) Expert Reviews

Discover the best fiber optic media converters in 2026. Our experts tested 10 top models for reliability, performance, and value. Complete buying guide included.

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved

Contact Us

Continue your research online:

Website: https://fdsoluciones.es
Technical inquiry: https://fdsoluciones.es/project-enquiry.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 FD SOLUCIONES OPTICAL SYSTEMS - All rights reserved