

Two fiber optic cables to the switch



Article Overview

Use duplex fiber optic cables with compatible SFP transceivers, ensuring send and receive ports are correctly crossed between switches.

Step 1: Choose the Right Fiber and SFP Modules

Determine the type of fiber optic cable needed based on distance: multimode for runs under 1000 feet and single-mode for longer distances. Select SFP or SFP+ transceiver modules that match the fiber type and the bandwidth of your network switch (1G, 10G, or higher) and ensure they support duplex LC connections .

Step 2: Prepare the Fiber Cables

Use duplex fiber optic cables with LC connectors. You can either purchase pre-terminated cables or terminate the cables yourself using proper tools like a cleaver and connector kits. Always inspect and clean connectors before installation to prevent signal loss .

Step 3: Connect the Cables to the Switch

Insert the SFP modules into the fiber ports on each switch. Connect the two strands of the duplex cable so that the transmit (TX) port on one switch connects to the receive (RX) port on the other, and vice versa. This ensures proper signal flow between devices .

Step 4: Test the Connection...

Article Content

Nov 12, 2025

Fiber Optic Switch: A Comprehensive Guide

2.3 Solid-State Optical Switches Solid-state optical switches exploit electro-optic, acousto-optic, or magneto-optic

Dec 07, 2025

Build A Fiber Optic Network with 2 Fiber Switches

Fiber optic networks offer superior performance and bandwidth compared to traditional

Sep 02, 2025

Is it possible to connect a router and a switch using fiber-optic cable ...

Second question: Is there a way to connect a router and a switch using fiber-optic cable? I am trying to connect a

Jun 02, 2026

Installing 10 Gigabit SFP transceivers & fiber optic links between ...

This is a simple video showing how to install a 850nm fiber optic link using SFP

Feb 19, 2026

Solved: connect 2 switch with fiber

Hi everybody, I´m trying connect two catalyst 3560 Catalyst switch through fiber. I have a network in the office, it is

Jul 13, 2026

Fiber-optic cable

A fiber-optic cable, also known as an optical-fiber cable, is an assembly similar to an electrical cable but

Sep 06, 2025

Fiber Optic Cable Types: A Complete Guide

The plethora of fiber optic cable types can seem overwhelming, but choosing the right cable for the job is important.

Jun 16, 2026

Connecting two different Cisco Switches using Fibre

I have two Cisco Catalyst 2960-24TC-L switches and would like to connect them using fibre over a distance of

Dec 29, 2025

how to connect fiber cable to switch? | Tech Support Forum

We have a fiber cable optic cable run to Block B from Block A of the building and want to make a small network using

Feb 03, 2026

Connecting two switches through a fiber cable

I need to connect a single 3750G - 48 ports switch to a single 2960 - 48 ports switch and it needs to be through a

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Application Guide: Connecting Fiber-ready Network Switches

Terminate your fiber optic cabling with two LC-style connectors or purchase a pre-terminated fiber optic cable with two LC-style

May 29, 2026

3 FAQs of Connecting Switches by Fiber Optical Ports

Can two switches with optical ports be directly connected by optical fiber? Yes, the main

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Tips For Connecting Two Switches Through Fiber Ports

Can two switches with fiber ports be directly connected through fiber ports? The answer is yes. The mainline of the

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Need advise on connecting the fiber cable between two switches.

Need advise on connecting the fiber cable between two switches. We have existing core switch model C9300-NM-8X,

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Application Guide: Connecting Fiber-ready Network

SFP transceiver modules almost always require two fiber optic cable strands. Always integrate duplex (two

May 17, 2026

Differences Between ST, SC, FC, and LC Fiber

Evidence boundary: connector, cable, optics, reach, loss, bandwidth, latency, power,

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How Are Network Switch Connect To Fiber

This article aims to provide a comprehensive understanding of how network switches are connected to fiber optic

Oct 27, 2025

Fiber Optic Switches Information

Fiber optic switches route an optical signal without electro-optical and opto-electrical conversions. Types of Fiber Optic Switches

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Connecting Network Switches via Fiber

Choose an SFP module based on the fiber optic cabling that will be connected to the network switches.

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Connecting Two Cisco Switches Using a fiber cable.

05-26-2013 01:56 AM Both options 1 and 2 are not good. Why? You run the risk of generating a network loop. So each floor has one

May 09, 2026

Solved: Fiber from one switch to another

According to Cisco catalyst-3560-series-switches data sheet, the Cisco 24 port 3650v2's switch can support

Sep 19, 2025

Connecting two switches through a fiber cable

Well, I have erased (write erase) the configuration of both switches, so they have the default cisco config. I have

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How to connect a new optic fibre to an ethernet switch

As we speak I just have optic fibre (Community Fibre) connected to my Huawei modem / Linksys Velop which will be

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How to connect 2 parts of a facility using fiber optic cable?

Perfectly sane. All switches (we will use the same on the other side) have SFP ports, what kind of fiber cables do we

Apr 04, 2026

Fibre connectors and how to connect to Ethernet switch

I've never dealt with Fibre connections before. We're moving to a new office (2 stories Bldg). The 1st floor will have the

Dec 12, 2025

What type of fiber optic cable should be used to connect 2 switches

So I have a business that is in a huge warehouse with 2 data closets, and large POE switches at each location. They

Sep 02, 2025

How to Connect two PoE switch with fiber optical cable

In order to extend long distance network, it's common practical operation to use fiber optical cable to link two PoE switch. PoE

Aug 22, 2025

Fiber Optic Switch Guide: Definition, Connection Methods, Cabling ...

A practical B2B guide explaining what a fiber optic switch is, how to connect fiber optic cable to Ethernet switches, how

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