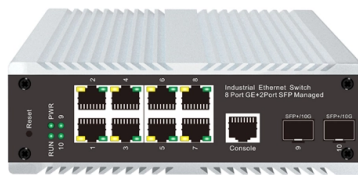


What network cable should be used for the optical port of the switch



Overview

Most modern fiber-enabled network switches require an SFP transceiver module featuring a duplex (two strand) multimode OM3 or duplex single mode OS2 connection with LC connectors. Direct attach cables with pre-terminated SFP connections may also be used. Download the Application PDF Many people ask the same question: Can you use a fiber optic cable with an RJ45 port?

The short answer is no - RJ45 connectors are designed for electrical Ethernet signals, while fiber optics transmit light pulses through glass or plastic. SFP ports enable Gigabit switches to connect to a variety of fiber and Ethernet cables and extend switching functionality throughout the network. Fiber provides: Increased internet signal bandwidth. By using pulses of light, the distance over.



Article Content

Jun 11, 2026

Application Guide: Connecting Fiber-ready Network Switches

Most modern fiber-enabled network switches require an SFP transceiver module featuring a duplex (two strand) multimode OM3 or duplex single mode OS2 connection with LC connectors. Direct attach ...

Dec 26, 2025

Connecting Fiber Optic Cable with Ethernet Ports for Enhanced Network ...

Connecting Fiber Optic Cable to Ethernet Port: Carefully insert the fiber optic cable connector into the Ethernet port, aligning the keying mechanism if applicable.

Apr 24, 2026

Can You Use Fiber Optic Cable with RJ45?

Many people ask the same question: Can you use a fiber optic cable with an RJ45 port? The short answer is no - RJ45 connectors are designed for electrical Ethernet signals, while fiber ...

Mar 16, 2026

Intro to Networking

This article describes the common types of fiber optic cable used for data transmission. Ubiquiti also provides branded optic SFP/SFP+ modules (tranceivers) that are fully compatible with all of our devices.

Jul 07, 2026

Connecting Fiber Optic Cable with Ethernet Ports for ...

Connecting Fiber Optic Cable to Ethernet Port: Carefully insert the fiber optic cable connector into the Ethernet port, aligning the keying mechanism ...

Oct 14, 2025

Network Cable Types and Specifications

This tutorial explains the types of network cables used in computer networks in detail. Learn the specifications, standards, and features of the coaxial cable, twisted-pair cable, and fiber ...

Feb 19, 2026

Understanding Fiber Optic Ethernet Cables: What You Need to Know

A fiber optic Ethernet cable is one of the types of network cables that transfer data over glass or plastic fibers using light signals. Fiber optic cables are more advanced than traditional ...

Jul 18, 2026

Fiber Optic Cable Buying Guide

If the output port is copper, then a standard copper Ethernet patch cable can be used. If the output port is fiber, then a fiber Ethernet cable is needed between the switch or router and the computer.

Mar 17, 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. For example, it converts electrical signals to optical signals for fiber ...

Jul 19, 2026

Ethernet Cable Types: How to Choose the Right Network Cable

For data centers, use fiber for backbone connections and Cat6a or Cat8 for server connections depending on port speeds. The decision often comes down to equipment port density ...

Mar 16, 2026

A Comprehensive Overview of Ethernet Switch Port Types

On Ethernet switches, SFP28 ports play a critical role in enabling high-speed, high-density connectivity. They allow seamless connection to 25G servers, network interface cards ...

Contact Us

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

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

Email: sales@ntmmgroup.co.za

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town,
7441, South Africa

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

