

10 Gigabit Fiber Optic Switch Module



AI Overview

10 Gigabit switches use SFP+ fiber optic modules, available in single-mode and multi-mode types, supporting distances from tens of meters to several kilometers depending on the module and fiber type.

Types of 10G SFP+ Modules

SFP+ (Small Form-factor Pluggable Plus) modules are the standard for 10 Gigabit Ethernet connections. They are hot-swappable and allow flexible deployment in switches and routers . Key types include:

- 10GBASE-SR (Short Range): Designed for multi-mode fiber (MMF), typically supporting distances up to 300 meters on OM3 fiber and 400 meters on OM4 fiber . Ideal for intra-rack or short inter-rack connections.
- 10GBASE-LR (Long Range): Uses single-mode fiber (SMF) for distances up to 10 kilometers, suitable for connecting buildings or data centers over longer spans.
- 10GBASE-LRM (Long Reach Multimode): Supports legacy MMF (OM1/OM2) up to 220 meters, often requiring a mode-conditioning patch cord .
- 10GBASE-T: SFP+ modules with RJ-45 connectors for copper cabling (CAT6A/CAT7), supporting up to 30 meters, useful for short-distance connections within racks .

Fiber Considerations

- Multi-mode fiber (MMF): Larger core, lower cost, suitable for short distances (up to ~500 meters). Common types include OM3 and OM4, which support higher bandwidth and longer distances....

Article Content

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10G SFP+ Optical Transceivers | Transceiver Module

FS 10GbE SFP+ module solutions provide a wide variety of 10 Gigabit Ethernet connectivity options for

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MokerLink 8 Port 10Gbps SFP+ Switch, Support 1G SFP and 10G SFP+, 160Gbps Bandwidth, Fanless

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MokerLink 8 port 10G web managed switch upgrading networks by providing a more reliable, stable, seamless network and easily

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H!Fiber 10G Multimode SFP+ LC Module, 10GBase-SR Fiber

About this item 10GBase-SR SFP+: 10 Gigabit Ethernet Multimode SFP+ Module, 10 Gb/s, 850nm

Jun 16, 2026

8 Port 10Gb SFP+ Web Managed Fiber Switch | Multi

□10Gb Super-Fast Fiber Switch□This 10 gigabit switch features 8 x 10G SFP+

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10 Gigabit Fiber SFP+ Optical Transceiver Module

Compatibility in your network is everything, and this SFP+ Transceiver Module

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Cisco Catalyst 6500 Series 10 Gigabit Ethernet Interface Modules

Product Overview The Cisco Catalyst® 6500 Series Switches offer a variety of 10 Gigabit Ethernet modules to serve different needs

Apr 29, 2026

Catalyst 6500 Series 10

This data sheet describes the benefits, specifications, and ordering information for the Catalyst 6500 Series 10- and

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Cisco 10 Gigabit Modules

Discover Cisco 10 Gigabit Ethernet Modules, offering high-speed, reliable connectivity to enhance network performance and scalability.

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10G Single-Mode/10KM Fiber SFP+ Module

The 2A-142G 10G Single-Mode/10KM Fiber SFP+ Module is designed for use in 10GbE Ethernet environment that allows you to

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Cisco SG350XG-24F 24-Port 10G SFP+ Stackable Managed Switch

Cisco SG350XG-24F 24-Port 10G SFP+ Stackable Managed Switch - 2 Ports - Manageable - 3 Layer Supported - Modular - Optical

Oct 26, 2025

Cisco Catalyst 4948 10 Gigabit Ethernet Switch Data Sheet

The Cisco Catalyst 4948 10 Gigabit Ethernet Switch offers 48 ports of wire-speed 10/100/1000BASE-T with 2 ports of wire-speed 10

Aug 11, 2025

Fast, Gigabit, and 10 Gigabit Ethernet Switches with SFP+ Modules

Managed and unmanaged Layer 2 and Layer 3 fiber optic Ethernet switches. With 10G SFP+ fiber optic transceiver modules, they

Apr 18, 2026

10 Gigabit Fiber SFP+ Optical Transceiver Module

This 10 Gigabit Fiber SFP+ Optical Transceiver Module supports standard digital diagnostics monitoring (DDM) functions, also

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10 gig fiber switch | Newegg

Netgear Business XS724EMv2 Ethernet Switch - 24 Ports - Manageable - 10 Gigabit Ethernet, 5 Gigabit Ethernet - 139 W Power

Jul 11, 2026

TP1910 10GB SFP+ Switch (8 Port

8 High-Speed SFP+ ports enabling 10GB connection speeds for all your optical fiber devices 10 Gigabit Small Form-factor Pluggable

Feb 27, 2026

24-Port Layer 3 Stackable 10 Gigabit Fiber Managed Switch

20 x SFP+ ports 4 x 10GBASE-T/SFP+ Combo ports Physical stacking with up to 4 devices per stack Layer 2+ static routing /

Jun 13, 2026

10 Gigabit Fiber SFP+ Optical Transceiver Module

10 Gigabit Connectivity Whether you need a fast connection to your 10 GbE equipped server or NAS device, or if you simply want to

Mar 07, 2026

Comprehensive Guide for Optimal 10G SFP+ Module Selection

Introduction to 10G SFP+ Features 10G SFP+ is a miniaturized photoelectric conversion module specifically designed

Sep 18, 2025

Cisco 10GBASE SFP+ Modules Data Sheet

Product overview The Cisco® 10GBASE SFP+ modules (Figure 1) give you a wide variety of 10 Gigabit Ethernet connectivity options

Apr 20, 2026

10 Gigabit Fiber SFP+ Optical Transceiver Module

Hot-Pluggable The Intellinet Network Solutions 10 Gigabit Fiber SFP+ Optical Transceiver Module (model 507479) is fully hot

Oct 02, 2025

50/25/10/1G Transceiver Modules | Optical Transceivers

FS provides 50/25/10/1G transceivers modules in SFP/SFP28/SFP56/QSFP28 form factor, supporting transmission distances from

Jan 27, 2026

8 Port 10 Gigabit SFP Managed Switch, Support 1G Sfp and 10G Sfp+ ...

10G SFP+ Ports - Equipped with 8 x 10Gbps SFP+ ports, supporting 1G/10G SFP modules. To ensure optimal transmission

Apr 06, 2026

10 Gb Gigabit Switches | NETGEAR

Optimize your network with NETGEAR 10 Gb switches. Pick from unmanaged or smart/fully managed for

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10 Gigabit SFP Switches | 10 Gig SFP Switch | 10Gbs Switch

10 Gigabit SFP Switches 10 Gigabit SFP switches proudly manufactured in the USA by Versitron are available in 28, 36, and 52 port

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Intellinet 10 Gigabit Fiber SFP + (LC) Single-Mode

The Intellinet 10 Gigabit Fiber SFP Optical Transceiver Module (model 507479) is fully hot

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11 Best Fiber Optic Switch Modules for 2026 Networking

Discover the top 11 fiber optic switch modules for 2026 networking that can elevate your

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Cisco Catalyst 6500 Series 4-Port 10 Gigabit Ethernet Module

Cisco Catalyst 6500 Series 4-Port 10 Gigabit Ethernet Module WS-X6704-10GE As Cisco s premier modular multilayer switch, the

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SFP3213-10: 10 Gigabit SFP Module for Switches

The transceiver provides 10 Gbps serial optical data transfer rates on a single duplex fiber

May 02, 2026

MokerLink 8 Port 10Gbps SFP+ Managed Switch, Support 1G/2

About this Item 10G SFP+: 8 x 10Gbps SFP+ Slots, enable high-bandwidth connected, support 1G/2.5G/10G optical fiber module,

Feb 05, 2026

MokerLink Store

The 10G080GS features non-blocking wire-speed architecture with 160Gbps switching

May 30, 2026

10G SFP+ Transceiver for OM3/OM4 Fiber

Power your switch with a 10G SFP+ transceiver for OM3/OM4 fiber. AXM761 gives short-range fiber up to

Apr 06, 2026

SFP3213-10: 10 Gigabit SFP Module for Switches

Product Highlights EnGenius's premium TAA compliant SFP+ SFP3213-10 transceiver is a

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

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