

Fiber Optic Transceiver 10 Gigabit Multimode



AI Overview

10GBASE-SR multimode fiber uses SFP+ transceivers over OM3 or OM4 fiber to deliver 10Gbps short-reach connectivity up to 300–400 meters. Key Features of 10GBASE-SR Multimode Fiber 10GBASE-SR is a short-reach (SR) optical standard designed for high-speed 10 Gigabit Ethernet (10GbE) links within data centers, enterprise networks, and campus environments. It uses SFP+ (Small Form-factor Pluggable Plus) transceivers, which are compact, hot-swappable modules that connect via duplex LC connectors. These modules operate at a wavelength of 850 nm using VCSEL laser technology, optimized for short-distance, high-bandwidth applications. Compatible Multimode Fiber Types 10GBASE-SR modules are typically deployed over OM3 or OM4 multimode fiber: OM3 Fiber: Aqua jacket, 50 μm core, optimized for laser-based transmission. Supports 10GbE up to 300 meters and higher-speed links (40/100GbE) up to 100 meters. OM4 Fiber: Backwards compatible with OM3, also 50 μm core, designed for VCSEL lasers. Extends 10GbE reach up to 400 meters and supports higher bandwidth applications. Older fiber types like OM1 (62.5 μm) and OM2 (50 μm) are less common for 10GbE due to shorter maximum distances (33 meters for OM1, 82 meters for OM2) and LED-based transmission. Typical Use Cases 10GBASE-SR multimode fiber is ideal for: Switch-to-server connections within racks or between nearby cabinets. High-speed uplinks between aggregation, core, and distribution switches. Storage networking requiring low latency and stable performance. Data center and enterprise LAN deployments where cost-effective short-reach fiber is preferred over single-mode optics. Advantages Cost-effective compared to single-mode optics for short distances. Hot-pluggable SFP+ modules allow easy installation or replacement without downtime. Low power consumption and reliable...

Article Content

SFP+ Dual fiber (Duplex) 10 Gigabit Ethernet 10GBase

Dies ist ein Hochleistungs Transceivermodul für 10Gigabit Ethernet Datenübertragung über Multimode Fasern.

10 Gigabit Multimode SFP+ Fiber Optic Transceivers | High-Speed

Multimode 10G SFP+ transceivers offer fast, reliable Ethernet connectivity up to 300 meters, seamlessly integrating into existing network systems.

Fiber Optic Transceivers

SFP Module Duplex LC | Simplex LC Digital Diagnostic Monitor Gigabit Ethernet In Stock 6 ready to ship now 4 more available on order

Fiber Optic Cable Supply | Buy Fiber Optic Products

Switches, Transceivers, Media Converters Full line of media conversion products for your copper-to-fiber network including 10/100 standalone converters, Industrial

StarTech Cisco SFP-10G-SR-S Compatible SFP+ Module

StarTech Cisco SFP-10G-SR-S Compatible SFP+ Module - 10GBASE-SR - 10GbE Multimode Fiber MMF Optic Transceiver - 10GE Gigabit Ethernet SFP+ - LC 300m - 850nm - DDM Cisco Firepower,

SFP+, XFP, QSFP+, DAC Twinax Cable 10Gtek Transceivers Co., Ltd

DAC Twinax Cable Maker. CE, FCC, RoHS, ISO9001 Certified. Professional Manufacturer focusing on SFP+ Cables, QSFP+ Cables, MiniSAS Cables, QSFP Cables, XFP Cables, CX4 Infiniband Cables

10GBase SFP Transceiver

Designed for short-reach (SR) applications up to 300 meters, it's compatible with N-TRON®'s NT328G Series and other 10 Gigabit Ethernet switches, offering high-bandwidth fiber connectivity over

Hilink Optics QSFP QSPDD OSFP 10G SFP

If you have any questions about Hilink Optics CWDM DWDM QSFP QSPDD OSFP 10G SFP transceivers, we will give the professional solutions to you.

Cisco 10GBASE SFP+ Modules Data Sheet

The Cisco® 10GBASE SFP+ modules (Figure 1) give you a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise

Complete Guide to Fiber Optic Cables for Data Centers

Why Fiber Optic Cabling Is the Foundation of Modern Data Centers Copper cabling served data centers well for decades, but the physics of electrical signaling limit

StarTech MSA Uncoded SFP Module

Yes Fiber optic connector LC Networking standards IEEE 802.3z Maximum transfer distance 550 m Wavelength 850 nm Duplex system Full Maximum data transfer rate 1250 Mbit/s Interface type SFP

HTF DWDM equipment, OTN Solution, QSFP28 OSFP

HTFuture offers industry-leading fiber optic products and WDM system solutions with global recognition for excellence and innovation.

StarTech HPE JD092B Compatible SFP+ Module | PCBoost

Overview StarTech HPE JD092B Compatible SFP+ Module - 10GBASE-SR - 10GbE Multi Mode Fiber Optic Transceiver - 10GE Gigabit Ethernet SFP+ - LC 300m - 850nm - DDM HPE 5120,

10G Multi-Mode Optical Module

SFP+ transceiver that supports 10G connections up to 400 m using multi-mode fiber with a duplex LC UPC connector.

Optical Transceivers

Multi-vendor coding options available for your 10GB Ethernet requirements. Available in Multimode, Single Mode, Extended Range, Long Reach Multi-mode

Startech Dell EMC QSFP-40G-SR4 Compatible QSFP+ Module,

Buy Startech Dell EMC QSFP-40G-SR4 Compatible QSFP+ Module, 40GBASE-SR4, 40GbE Multimode Fiber MMF Optic Transceiver, 40GE Gigabit Ethernet QSFP+, MPO Connector, 150m, 850nm, DDM,

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

H!Fiber offers one-stop Datacenter solution and products, including SFP Transceivers, DAC Cables, Network Card, Media Converters, Fiber Optical Cables, Minisub Cables and more.

StarTech Cisco GLC-LH-SMD Compatible SFP Module

StarTech Cisco GLC-LH-SMD Compatible SFP Module - 1000BASE-LX/LH - 1GbE Single Mode Fiber SMF Optic Transceiver - 1GE Gigabit Ethernet SFP - LC 10km - 1310nm - DDM Cisco

10Gtek 10GBase-SR SFP+ LC Transceiver, 10G 850nm

Widely used in network switch, server, or NIC with SFP+ to a 10 Gigabit fiber

Startech Arista Networks QSFP-40G-SR4 Compatible QSFP& #x2B;

Buy Startech Arista Networks QSFP-40G-SR4 Compatible QSFP+ Module, 40GBASE-SR4, 40GbE Multimode Fiber MMF Optic Transceiver, 40GE Gigabit Ethernet QSFP+, MPO Connector, 150m,

10G SFP+ Optical Transceivers | Transceiver Module

FS 10GbE SFP+ module solutions provide a wide variety of 10 Gigabit Ethernet connectivity options for data centers, enterprise wiring closets, Internet Service

Contact Us

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