

Egyptian Single-Mode Fiber Optic Transceiver Models



Overview

Single Mode Fiber Optic Transceivers are essential components in high-speed, long-distance data transfer networks.

Key Takeaways

Popular single-mode fiber optic transceivers in Egypt include Cisco GLC-FE-100LX, Cisco GLC-LH-SMD, Huawei OSX010000, and TERA SFP 1.25G, supporting distances up to 20 km and data rates from 1 Gbps to 10 Gbps.

- Cisco 100BASE-LX SFP (GLC-FE-100LX): Operates on single-mode fiber up to 10 km, includes LD driver, FP laser, PIN photo-detector, and supports Fast Ethernet or dual-rate Fast/Gigabit Ethernet ports. Compatible with Cisco Catalyst switches such as 2960 and 2960S series .



- Cisco 1000BASE-LX/LH SFP (GLC-LH-SMD): Gigabit Ethernet transceiver operating at 1310 nm wavelength, supporting single-mode fiber spans up to 10 km and multimode spans up to 550 m. Industrial temperature range from -40°C to 85°C, LC duplex connector, TX power -9.5 to -3 dBm .

Huawei Single-Mode SFP+

- Huawei OSX010000: 10G SFP+ single-mode transceiver designed for high-speed enterprise networks. Users should confirm availability and pricing due to market fluctuations .

TERA Single-Mode SFP

- TERA SFP 1.25G: Supports 1310 nm wavelength, single-mode fiber, and distances up to 20 km. Compatible with multiple switch brands, 1000Base compliant, and suitable for enterprise and telecom infrastructure .

Additional Options

- ServerBasket stock: Offers a variety of SFP modules including Cisco GLC-SX-MMD, Intel 10G SR/LR, and SFP-10G-BX-D/BX-U, supporting single-mode and multimode fiber, with speeds from 1 Gbps to 100 Gbps. These modules are compatible with major brands like Cisco, HP, Dell, Juniper, and Arista .

Key Considerations

- Wavelength: Most single-mode SFPs operate at 1310 nm.
- Distance: Ranges from 10 km (Cisco) to 20 km (TERA).
- Data Rate: 1 Gbps (SFP) to 10 Gbps (SFP+).
- Connector Type: Typically LC duplex.
- Compatibility: Ensure the transceiver matches the switch or router model. These models provide reliable options for building or upgrading fiber optic networks in Egypt, suitable for enterprise LANs, data centers, and telecom backbones.

Article Content

Optical Transceivers Manufacturers & Factories for Egypt

Each transceiver is programmed with hardware-specific code, verifying seamless compatibility with Cisco, Juniper, HW, Ciena, and

SFP Gibic 1G Fiber Transceivers

It is 1000Base compliant and is designed to work in Single Mode. The device comes with SFP standard interface and supports data

Purchase SFP Transceiver Modules In Egypt from ServerBasket

Server Basket offers low-cost, high-quality, and authentic SFP transceivers, whether you need a single-mode SFP for long-distance

Single Mode SFP Transceiver: Complete Guide Explained

In this guide, you will learn what a single mode SFP transceiver is, how it works, the key specifications and types available, and

Single Mode Fiber Transceivers – Fiber Savvy

Single Mode Fiber Optic Transceivers are essential components in high-speed, long-distance data transfer networks. Their ability to

SFP-GE-LX-SM1310 Network Transceiver Egypt | EG-Tech

The Huawei eKit SFP-GE-LX-SM1310 network transceiver is designed for reliable optical or copper network connectivity. It combines

1 Gigabit Singlemode SFP Fiber Optic Transceivers | Long-Distance

Our 1 Gigabit Singlemode SFP Transceivers offer high-performance, reliable connectivity for singlemode fiber optic networks. These

Intro to Networking

The key difference between Multi-Mode (MM) and Single-Mode (SM) fiber optic cable is the core diameter. The diameter of MM fiber

SEL-2831 Single-Mode Fiber-Optic Transceiver/Modem

Connect a pair of transceivers and an SEL-C809 Single-Mode Fiber-Optic Cable with ST connectors for EIA-232 communication

Huawei SFP-GE-LX-SM1310 1GE 1310nm 10km SFP Optical Transceiver

The Huawei SFP-GE-LX-SM1310 is a carrier-grade optical transceiver designed for Gigabit Ethernet over single-mode fiber.

1X9 Transceiver Fiber Optic Transceiver Module Manufacturer&Supplier

The 1x9 optical transceiver is designed for use in 0~1.25Gbps data links and up to 20km distance and provides the SC/FC/ST optical

SFP Optical Transceiver | SFP Optical Module | Perle

Perle SFP Optical Transceivers are hot-swappable, compact media connectors that provide instant fiber connectivity for your

Huawei OSX010000 Egypt | EG-Tech

The Huawei eKit OSX010000 network transceiver is designed for reliable optical or copper network connectivity. It combines

SFP Gibic 1G Fiber Transceivers

Works with all switch devices in different brands, this device operates on a 1310nm wave with a coverage range of up to 20km,

Contact Us

Continue your research online:

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

Technical inquiry: <https://coetzerinvestments.co.za/contact.html>

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

