

Egyptian Tunable Optical Module SFP



AI Overview

SFP optical modules in Egypt are widely available for 1Gbps to 100Gbps networking, supporting both single-mode and multi-mode fiber, with local suppliers offering SFP, SFP+, SFP28, and QSFP modules.

Overview of SFP Modules

SFP (Small Form-factor Pluggable) modules are compact, hot-swappable transceivers used to connect switches, routers, and servers via fiber or copper media. They support various data rates: SFP (1Gbps), SFP+ (10Gbps), SFP28 (25Gbps), and QSFP/QSFP28 (40-100Gbps) and are compatible with both single-mode and multi-mode fiber for short, medium, or long-distance links. SFP modules are backward compatible, allowing network upgrades without replacing existing hardware.

Types and Specifications

SFP+ 10G Modules: High-performance modules for 10 Gigabit Ethernet, supporting distances up to 10 km over single-mode fiber (SMF) at 1310nm wavelength with LC duplex connectors, ideal for enterprise backbones and data centers.

Short-Range SFP+ (MMF): Modules like Huawei 10G SFP+ 850nm support up to 300 meters over multi-mode fiber, suitable for internal network connections and data centers.

Copper and Fiber Options: SFP modules are available with RJ-45 copper interfaces or LC fiber connectors, providing flexibility for different network infrastructures.

Local Suppliers in Egypt

Fiber Optic Egypt: Offers a wide range of SFP and QSFP fiber optic solutions, including cables and modules for telecom and enterprise networks.

AY Technology: Provides networking, fiber optic, SMATV, and SFP modules, including high-performance SFP+ and SFP28 transceivers for both single-mode and multi-mode fiber.

ServerBasket Egypt: Stocks SFP modules from leading brands like Cisco, Intel, Juniper, and HP, covering speeds from 1Gbps to 100Gbps, with options for enterprise, SAN, and edge connectivity.

Dubizzle Egypt (OLX): Local classifieds for buying and selling SFP modules, useful for smaller-scale or second-hand purchases.

Applications

SFP modules are used in:

- Data centers for high-speed interconnects
- Ent...

Article Content

SFP QSFP Fiber Optic Products | Fiber Optic Egypt

Explore a wide range of SFP QSFP fiber optic solutions at Fiber Optic Egypt, including cables and modules for all your telecommunication needs.

SFP Connector Suppliers & Exporters Serving the Egypt Market

High-Performance SFP Cages & Connectors for Egyptian Infrastructure Premium optical interconnect configurations engineered for Suez Canal data centers, Cairo metropolitan backbones, and New

Tunable SFP+ 10G DWDM Serial Optical Transceiver with up to

TRS70xxFxCPA000-x Tunable SFP+ 10G DWDM Serial Optical Transceiver with up to 80 km Reach The Lumentum Tunable SFP+ module is a high performance tunable pluggable transceiver for use in

What You Should Know About DWDM Tunable Optical

DWDM tunable optical modules offer flexibility, cost savings, and scalability by dynamically adjusting wavelengths for modern optical networks.

SFP+ C-Band Tunable DWDM Optical Transceiver

The FIBERDYNE Tunable SFP+ Optical Transceiver is a fully duplex, integrated fiber serial link at signal Applications 11.3 Gbps. The module complies with the Enhanced Small Form Factor Pluggable

The ABCs of Tunable SFP+ & Tunable XFP DWDM Optics

Tunable XFP transceiver and tunable SFP+ transceiver are the hot-swap DWDM Tunable optics used in 10Gbps SONET/SDH, Fibre Channel and Gigabit Ethernet applications. Tunable

Key Features

This hot-pluggable module with narrow-band tunability across 9 channels in the C-band reduces costs associated with sparing and configuring optical networks. It is I-Temp compliant and can operate in

Full C-Band Tunable V-Cavity-Laser Based TOSA and SFP Transceiver Modules

We report the latest development in tunable transmitter optical sub-assembly (TOSA) and small form-factor pluggable (SFP) transceivers based on simple and compact V-cavity laser (VCL), aiming for

Tunable SFP+ Optical Transceiver with Limiting

The module supports data rates from 9.95 Gbps to 11.3 Gbps and is provided in an SFP+, MSA-compliant package. The optical transmitter utilizes the Lumentum

A Deep-dive into 10G Tunable DWDM SFP+ Optical

10G Tunable DWDM SFP+ transceivers are compact, hot-pluggable optical modules that combine DWDM technology with tunable capabilities,

Huawei SFP-GE-LX-SM1310 Optical Transceiver,

Home > Networking & Servers > Network Transceivers > Huawei SFP-GE-LX-SM1310 Optical Transceiver, eSFP, GE, Single-mode Module (1310nm, 10km,

Tunable SFP : Optical Transceiver Module | NEC

With full-band tunability, it is possible to reduce the number of part numbers to one for inventory management purposes. In addition, NEC's Tunable SFP is

Optical Communications FLEXTUNE SELF-TUNING FUNCTIONALITY

Wavelength-tunable transceivers offer a more efficient solution compared to fixed wavelength transceivers and avoid the need to know or predict which wavelengths are needed for a specific

TSFP-NBx-120

The TSFP-NBx-120 optical transceiver module is a tunable SFP designed for 1G Ethernet applications. Operating within the narrow DWDM band (ITU channels 20 to 60), this transceiver enables flexible

2.5G~6G SFP Module Manufacturers & Exporters for Egypt

Built under the brand LumoWave, the company is committed to delivering stable, high-performance, and cost-effective optical modules ranging from 10G to 800G, including SFP, QSFP, QSFP-DD, and

How Does Tunable DWDM 10G Solutions Enhance

Dive into the details of how tunable DWDM 10G SFP+ modules tunable lasers as light sources in DWDM systems, offering tunability across the

Tunable SFP+ 25G DWDM Serial Optical Transceiver

The Lumentum tunable SFP28 module is an industrial temperature, high performance tunable pluggable transceiver for use in the C-band window

Decoding CWDM and DWDM SFP+: A Comprehensive

10G BiDi and tunable modules are special types of 10G CWDM and DWDM optical transceivers. If users need to increase their network capacity and

850nm Multi-mode

The EOLP-1696-TDW-23XXN Tunable SFP+ module is a high performance tunable pluggable transceiver for use in the C-band window covering 1529 nm to 1568 nm. The module supports data

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Finisar SFP+ FTLX6872MNC Tunable Optical Network

Finisar's FlexTune tunable optical transceiver modules are used in enterprise and datacenter networks. View price, stock and buy direct from Transceiver USA.

TSFP+ 10G DWDM 80 km | HiSilicon Optoelectronics

TSFP+ 10G DWDM96 80 km OM6253ZX210 is a tunable transceiver module designed for 80 km optical communication applications, and it is compliant to

Contact Us

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