

# ESFP optical module



## AI Overview

An ESFP optical module is an enhanced small form-factor pluggable transceiver supporting multi-rate optical transmission with monitoring capabilities. Overview The ESFP (Enhanced Small Form-Factor Pluggable) optical module is a compact, hot-swappable transceiver designed for optical communication systems. It is compliant with the SFP Multi-Source Agreement (MSA) and supports digital diagnostic monitoring (DDM), allowing real-time monitoring of optical power, temperature, voltage, and performance events. ESFP modules are functionally similar to standard SFP modules but provide additional monitoring features, making them suitable for network management and troubleshooting. Key Specifications Data Rate: 155 Mbps to 2.67 Gbps, supporting multi-rate transmission. Transmission Distance: Up to 80 km over single-mode fiber (SMF) using a 1550 nm DFB laser and APD photodiode. Connector Type: Duplex LC receptacle. Power Supply: +3.3V single power supply. Operating Temperature: Standard 0 to +70°C, extended -20 to +85°C. Compliance: RoHS, SFP MSA, and SFF-8472 standards. Safety: Class I laser safety compliant. Applications ESFP modules are widely used in various optical transmission systems, including: SDH STM-16 and SONET OC-48 systems Fiber Channel networks (2X Fiber Channel) Switch-to-switch and router/server interfaces Switched backplane applications Other optical communication systems requiring long-distance, high-reliability links. Advantages Monitoring Capabilities: Unlike standard SFP modules, ESFP modules provide optical power monitoring, temperature, and performance event alerts. Interchangeability: ESFP modules can replace SFP modules if optical power, sensitivity, and transmission distance match. Hot-Swappable: Allows easy installation and replacement without powering down the system. Cost-Effective: Provides high performance at a reasonable cost for long-distance optical links. Summary The ESFP optical module is ideal for network environments that require re...

## Article Content

Hirschmann optical module M-SFP-LX LC

Hirschmann optical module M-SFP-LX LC, find complete details about Hirschmann optical module M-SFP-LX LC, Hirschmann optical module, M-SFP-LX LC, optical module M-SFP-LX LC - Shenzhen

S5735-S48PN4XE-V2

Indicators and Buttons The S5735-S48PN4XE-V2 has similar indicators to those on the S5735-S48U4XE-V2. For details, see the S5735-S48U4XE-V2.

Optical Module Encapsulation Types

Enhanced Small Form-Factor Pluggable Module (eSFP) is a compact, hot-swappable, low-speed optical module with the monitoring function. Compared

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1.25 Gbit/s SFP/eSFP Optical Module

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H3CSFP-XG-LX-SM1310-S 10G SFP+ Multi-mode Optical Module

High quality H3CSFP-XG-LX-SM1310-S 10G SFP+ Multi-mode Optical Module from China, China's leading product market Fibre Channel Switch product market, With strict quality control Fibre

The Ultimate Guide to ZTE SFP Module Distance and Wavelength

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2X SFP Optical Module Gigabit Single-Mode Optical Module SFP-GE

2X SFP Optical Module Gigabit Single-Mode Optical Module SFP-GE-LX-SM1310 20KM Dual Fiber 1.25G for H3C

SFP Optical Transceiver (SFP Module)

Find here SFP Optical Transceiver, SFP Transceiver manufacturers, suppliers & exporters in India. Get contact details & address of companies

40Gbps QSFP+ Optical Modules

1Gbps eSFP Optical Modules 10Gbps SFP+ Optical Modules 40Gbps QSFP+ Optical Modules 100Gbps QSFP28 Optical Modules Cables Hardware Installation Maintaining the Hardware

Top Optical Modules for POTN Deployment: SFP, QSFP, and OSFP

Modern optical transport networks are the nervous system of digital infrastructure. As data demand continues to multiply, choosing the right optical module becomes a crucial decision in

HW eSFP-GE-LX10-SM1310 1000BASE-LX SFP Transceiver Module

Use the Compatibility Tool to verify FS transceiver compatibility with your device and access test reports. HW eSFP-GE-LX10-SM1310 compatible SFP transceiver supports up to 10km link lengths

01-10 OPTICAL MODULES

An eSFP module is an SFP module that supports monitoring of voltage, temperature, bias current, transmit optical power, and receive optical power. Therefore, eSFP is also called SFP sometimes.

SFP+ Optical Transceiver Modules (10G-SR/LR)

Amphenol SFP Optical Modules • SFP+ Optical Modules from Cables on Demand are Now Available in both Short Range (SR) Multimode and Long Range (LR)

eSFP-GE-SX-MM850 (02315204 02313URD) Datasheet

Overview Huawei eSFP-GE-SX-MM850 Optical Transceiver, eSFP, GE, Multi-mode Module (850nm, 0.55km, LC).

Gigabit SFP Transceiver 1.25G SMF 20km LC Single Fiber BiDi SFP Optical ...

This 1.25G BiDi SFP optical module is a hot-pluggable transceiver designed for single-mode single-fiber communication. It adopts a single LC port to transmit and receive signals simultaneously, using

Huawei eSFP-GE-SX-MM850 Gigabit Optical Module Overview

The eSFP-GE-SX-MM850 optical module is a Huawei Gigabit multimode optical module with DOM/DDM support, which is packaged in an SFP package with a center wavelength of 850 nm.

155M~2.67Gbps ESFP Optical Transceiver

The transceiver consists of three sections: a DFB laser transmitter, a APD photodiode integrated with a trans-impedance preamplifier (TIA) and MCU

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02315204

And the Huawei eSFP-GE-SX-MM850 Optical Transeiver, eSFP, GE, Multi-mode Module (850nm, 0.55km, LC) is factory new with original packaging. Buy it now

eSFP-GE-ZX100-SM1550 (02315206) Datasheet

Overview CWDM Optical Transceiver, eSFP, 2.5G, Single-mode Module (1491nm, 80km, LC)

## Contact Us

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