

Lte-esfp optical module



Article Overview

LTE-eSFP optical modules are enhanced small form-factor pluggable transceivers designed for LTE and mobile fronthaul networks, supporting CPRI/OBSAI interfaces with flexible transmission rates and fiber types.

Overview

An eSFP (enhanced small form-factor pluggable) optical module is a compact transceiver that converts electrical signals to optical signals and vice versa, supporting monitoring of voltage, temperature, bias current, transmit optical power, and receive optical power . eSFP modules are widely used in enterprise networks, data centers, and mobile fronthaul networks for LTE, CPRI, and OBSAI applications .

Key Features

- Form Factor: eSFP, compatible with SFP slots but with enhanced monitoring capabilities .
- Transmission Rates: Supports multiple CPRI options, including Option 2 (1.2288 Gbps) up to Option 8 (10.138 Gbps), and OBSAI RP3 rates from 1.536 Gbps to 6.144 Gbps .
- Fiber Type: Available in single-mode (SM) and multi-mode (MM) configurations, with typical wavelengths of 850 nm, 1310 nm, or 1550 nm .
- Distance: Short-reach multimode modules (e.g., 850 nm) support up to 1 km, while single-mode modules can reach 15-80 km depending on the model .
- Interface: LC connectors are standard for eSFP modules, simplifying integration into existing fiber networks

Article Content

Mar 03, 2026

ELSFP | TE Connectivity

TE Connectivity's (TE) ELSFP product is a faceplate pluggable form-factor to address the laser packaging

Dec 11, 2025

1.25 Gbit/s SFP/eSFP Optical Module

1.25 Gbit/s SFP/eSFP Optical Module You can use different levels of 1.25 Gbit/s SFP/eSFP optical modules with GE

Jun 24, 2026

Types of Optical Modules

Optical modules are encapsulated in different modes to provide different structures. Huawei switches support optical modules of the

Nov 18, 2025

ELSFP Implementation Agreement

The External Laser Small Form-Factor Pluggable (ELSFP) is a faceplate pluggable form factor to address the laser packaging

Aug 10, 2025

Optical module design resources | TI

View the TI Optical module block diagram, product recommendations, reference designs and start designing.

Mar 20, 2026

155M~2.67Gbps ESFP Optical Transceiver

The transceiver consists of three sections: a DFB laser transmitter, a APD photodiode integrated with a

May 16, 2026

Optical Transceiver | Huawei Optical Transceiver Prices

Huawei Optical Transceiver Huawei Optical Transceivers available at Telecomate comprise a comprehensive range of high

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LTE SFP | Optical Transceiver | LongXing

LongXing offers full range of fiber optic transceiver such as SFP, GBIC, SFP+, XFP, X2 & XENPAK, 40G

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FE SFP/eSFP Optical Modules

GE CSFP Optical Modules GE-CWDM eSFP Optical Modules GE-CWDM eSFP Optical Modules (Used Only in the

Jun 08, 2026

Types of Optical Modules

The higher transmission rate an optical module provides, the more complex structure it has. According to the encapsulation type,

May 17, 2026

CPRI LTE SFP Transceiver Fiber Optic Transceiver

CPRI LTE SFP Transceiver Sopto can provide good quality and competitive price for CPRI LTE SFP

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ESFP-GE-SX-MM850-C

The ESFP-GE-SX-MM850-C complies with international Electromagnetic Compatibility (EMC) and international safety requirements

Mar 28, 2026

Huawei Optical Transceiver eSFP GE Single-mode Module 1310nm LC

Der Huawei Optical Transceiver eSFP GE ist ein hochentwickeltes Modul, das für die Übertragung von Daten über Single-Mode

Jun 09, 2026

01-10 OPTICAL MODULES

Huawei S series devices support optical modules of the following encapsulation types: CFP, QSFP+, QSFP28, XFP, SFP, eSFP,

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LTE/CPRI/OBSAI SFP SFP+ SFP28 Transceivers Module | HEYOPTICS

Stock the complete range of LTE/OBSAI/CPRI SFP module solutions;Support all configurations.30-Day Money-back

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Classification and Specifications of HUAWEI Transceivers

An eSFP module is an SFP module that supports monitoring of voltage, temperature, bias current, transmit optical power, and

Jun 30, 2026

155M-CWDM-1511nm-150km-SM-ESFP 34061362 Huawei WDM module

Category: Transceiver Groupware & Module Collection for Optical Transmission Tags: 155M-CWDM-1511nm-150km-SM-ESFP,

Nov 17, 2025

LTE/CPRI/OBSAI SFP SFP+ SFP28 Transceivers

There are available Standard Temperature modules (0 to 70 Celsius) for use in typical telecom

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Types of Optical Modules

An eSFP module is an SFP module that supports monitoring of voltage, temperature, bias current, transmit optical power, and

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Huawei eKitEngine Optical Module Datasheet

Home Huawei eKitEngine Optical Module Datasheet Huawei eKitEngine Optical Module Datasheet

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Huawei AAU

JEMSDATA, acquired by ICOM in 2007, buys sells and trades network and telecom equipment worldwide in over 50 countries;

Aug 20, 2025

Optical Module Encapsulation Types

The eSFP and SFP optical modules have the same functions and services. They can substitute for each other as long as they have

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Huawei Optical Modules and Cables

Buy Genuine Huawei Optical Modules and Cables from GenuineModules with best price and fast

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What Is an Optical Module

On an optical network, a sender needs to convert electrical signals into optical signals before sending them to a receiver, and the

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MikroTik · SFP/QSFP

MikroTik makes networking hardware and software, which is used in nearly all countries of the world. Our mission is to make existing

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Huawei Enterprise Support Community

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Huawei GE Optical Modules

Huawei eSFP-GE-SX-MM850 Optical Transeiver, eSFP, GE, Multi-mode Module (850nm, 0.55km, LC) 02315204

Nov 13, 2025

The Most Comprehensive Guide Of Optical Modules

Explore the ultimate guide to optical modules. Learn types, functions, performance metrics

May 25, 2026

Huawei Optical Transceiver eSFP GE Single-Mode Module

Description The Optical Transceiver eSFP GE Single-Mode Module (1310 nm, 10 km, LC) is a high-performance Gigabit Ethernet

Oct 19, 2025

SFP Module,Fiber Optical Transceiver List | Sopto

Shenzhen Sopto Technology Co., Ltd has its own fiber optical module production line, which can independently complete the R& D

Dec 05, 2025

Types of Optical Modules Type of Optical SFP PRICE AND SPECS

An eSFP module is an SFP module that supports monitoring of voltage, temperature, bias current, transmit optical

Sep 19, 2025

eSFP-GE-ZX100-SM1550 (02315206) Datasheet

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

Jun 16, 2026

LTE SFP | Optical Transceiver | LongXing

LTE SFP Overview LongXing's LTE (Long Term Evolution) is the project name of a new high performance air interface for cellular

Mar 11, 2026

Huawei eKitEngine Optical Module Datasheet

These compact optical transceivers offer a. access and ring network, storage network, and long-haul network.

Jun 05, 2026

Optical Module Encapsulation Types

SFP/eSFP Optical Module Small form-factor pluggable (SFP) optical modules are compact, hot-swappable, low-speed optical

Contact Us

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