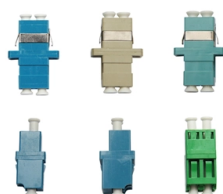


Huawei 10G optical module model



Overview

10GE SFP+ Optical Modules Single-fiber bidirectional (BIDI) optical modules must be used in pairs. For example, SFP-10G-BXU1 must be used with SFP-10G-BXD1.

Key Takeaways

Popular Huawei 10G SFP+ optical modules include SFP-10G-LR and OSX010000, supporting 10GBASE-LR links over single-mode fiber up to 10 km. Key Huawei 10G Optical Module Models

- SFP-10G-LR
- Type: 10GBASE-LR SFP+ transceiver
- Wavelength: 1310 nm
- Transmission Distance: Up to 10 km over single-mode fiber (G.652)
- Connector: LC duplex
- Applications: Backbone links, data center uplinks, campus aggregation, and metro networks
- Features: Carrier-grade performance, transmit power -8.2 to +0.5 dBm, receiver sensitivity -12.6 dBm, operating temperature 0°C to 70°C, supports digital diagnostics monitoring (DDM) for real-time monitoring
- OSX010000
- Type: 10GBASE-LR SFP+ transceiver

- Wavelength: 1310 nm
- Transmission Distance: Up to 10 km over single-mode fiber
- Connector: LC
- Applications: Enterprise, data center, and service provider networks; low-latency spine-leaf and storage links
- Features: Wide operating temperature (0°C to 70°C), stable low-error optical performance, reduces fiber usage in campus-scale deployments, standards-based 10GBASE-LR access and metro links

Additional Notes

- Single-fiber bidirectional (BIDI) modules: Huawei also offers BIDI SFP+ modules (e.g., SFP-10G-ER-SM1270-BIDI paired with SFP-10G-ER-SM1330-BIDI) for single-fiber links, which must be used in pairs .
- Wavelength and distance options: Huawei 10G SFP+ modules support wavelengths of 850 nm, 1310 nm, or 1550 nm, with transmission distances ranging from 0.5 km to 80 km depending on the module type .
- Compatibility: These modules are compliant with SFP+ MSA standards and IEEE 802.3ae, ensuring interoperability with multi-vendor 10GE equipment . Huawei 10G optical modules are widely used for data center uplinks, campus backbone links, and metro aggregation, providing reliable, low-latency, and high-performance 10G connectivity.

Article Content

10GE SFP+ Optical Modules

Single-fiber bidirectional (BIDI) optical modules must be used in pairs. For example, SFP-10G-BXU1 must be used with SFP-10G-BXD1.

10GE SFP+ Optical Modules

This document provides an overall description of the CE12800 series switches hardware, helping you obtain detailed information

SFP-10G-LR, Huawei SFP+ Optical Transceiver, 10G, 1310nm, 10km

Huawei SFP-10G-LR is a carrier-grade SFP+ optical transceiver designed for 10G single-mode links up to 10 km. Operating at a 1310

OSX010000, Huawei SFP+ Optical Transceiver, 10G SFP+, 1310nm,

The Huawei OSX010000 is a carrier-grade SFP+ optical transceiver designed for 10G backbone and aggregation links. Delivering 10

Huawei SFP-10G-LR Datasheet Overview

Overview Huawei SFP-10G-LR Compatible 10G SFP+ Module - Single-mode 1310nm Wavelength for up to 10km with Standard

OMXD30000, Huawei SFP+ Optical Transceiver, 10G, Multi-mode,

The Huawei OMXD30000 is a carrier-grade SFP+ optical transceiver designed for high-density 10G links in enterprise and telecom

SFP-10G-USR (02310MNW)

Important Notes About Using Optical Modules Certified for Huawei Switches
Understanding Optical Modules Understanding Copper

02318169

02318169 - Genuine Huawei OMXD30000 Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.3km, LC) Basic

Huawei Technical Support

Discover Huawei's technical specifications and features for 10Gbps SFP optical modules, enhancing connectivity and performance in

Huawei SFP-10G-LR Price Datasheet Optical Transceiver,SFP+,10G

SFP-10G-LR The Arista Small Form-Factor Pluggable (SFP) optics modules and cables offer customers a wide variety of high

Huawei 02318170 Datasheet

Huawei 02318170 Datasheet Huawei OSX010000 Optical Transceiver, SFP+, 10G, Single-mode Module (1310nm, 10km, LC)

OSX010000

The Huawei Optical Transceiver, SFP+, 10G, Single-mode Module (1,310 nm,10 km, LC) is guaranteed 100% Compatible and

Huawei OMXD30000 Optical Transceiver,SFP+,10G,Multi-mode Module

Specifications Product Name Huawei OMXD30000 Optical Transceiver Form Factor SFP+ (Small Form-Factor Pluggable Plus) Data

Huawei SFP-10G-SR 10G SFP+ 850nm 0.3km Module Price

Deploy Huawei SFP-10G-SR 10G SFP+ MMF 850nm 0.3km LC to stabilize short-range 10GbE links and ensure Huawei switch

Huawei SFP-10G-LR Compatible 10Gbps SFP+ 10GBASE-LR

Huawei SFP-10G-LR compatible optical transceiver is a dual fiber 10Gbps Small Form-factor Pluggable SFP+ module for use in

10GE SFP+ Optical Modules

GE-CWDM eSFP Optical Modules (Used Only in the OADM scenario) GE-DWDM eSFP Optical Modules GE SFP Copper Modules

Huawei Original 10G 1550nm 40km SFP+ Optical Transceiver

The Huawei 10G 1550nm 40km SFP+ Optical Transceiver is a high-performance, long-distance fiber module designed for enterprise

10GE SFP+ Optical Modules

This document describes hardware components of the S9700, including the cabinet, chassis, power supply facilities,

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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