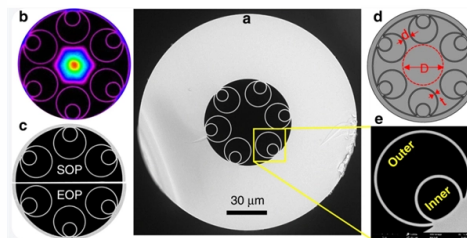


Gigabit optical module single-mode 40km range Huawei



AI Overview

The Huawei OSG040N02 is a single-mode gigabit optical module supporting 1.25Gbps data rates over distances up to 40km. Overview The Huawei OSG040N02 is designed for long-distance optical transmission in enterprise and telecommunications networks. It is a single-mode module capable of transmitting data at 1.25Gbps over a 40km range, making it suitable for backbone connections and inter-building links. The module uses ESFP technology to ensure reliable performance and low signal loss over extended distances. Key Specifications Data Rate: 1.25Gbps (Gigabit Ethernet) Transmission Distance: Up to 40km Fiber Type: Single-mode fiber (SMF) Wavelength: 1310nm Form Factor: ESFP Applications: Enterprise networking, telecom backhaul, long-distance optical links Compatibility and Certification Huawei optical modules, including the OSG040N02, are certified for Huawei switches and undergo comprehensive functionality verification to ensure quality and compatibility. When purchasing, ensure the module is Huawei-certified to guarantee proper operation and support. Certification can be verified via the module label or Huawei switch commands. Usage Notes Single-mode modules like the OSG040N02 are designed for point-to-point connections over long distances. For bidirectional single-fiber setups, paired BIDI modules are required, but the OSG040N02 is a standard single-mode module for duplex fiber links. Proper installation and handling are important to maintain performance and avoid damage to the optical transceiver. Sourcing The OSG040N02 is available from authorized distributors and online retailers, ensuring genuine Huawei products with manufacturer warranties. Always verify authenticity when purchasing to avoid compatibility issues. This module is ideal for users seeking a reliable, long-range gigabit optical solution for Huawei n...

Article Content

Huawei 40G QSFP Switch Guide: CE6800 & CE12800 Specs

Compare Huawei CloudEngine 40G switches (CE6800, CE12800), QSFP+ module compatibility (SR4/LR4), and deployment guidance for AI-ready Ethernet fabrics.

Huawei Compatible 1000BASE-BX SFP BIDI TX-1310nm/RX-1550nm

Compliant with the IEEE 802.3z Gigabit Ethernet standard and SFP Multi-Source Agreement (MSA), this transceiver supports data rates of up to 1.25Gbps and achieves transmission distances of up to 40

SFP-10G-W3520-A Avanis | europages

10/5/2.5 Gigabit Fiber LR BiDi SFP+ Module, TX: 1270nm, RX: 1330nm, with SM LC 20 km, DDM functionality, temperature range 0~70 °C Application area: | Small Office / Home Office, Small to

Huawei 02314HES QSFP28 100GBASE-ER4 Singlemode Transceiver

The 02314HES 100GBASE-ER4 LC Duplex QSFP28 compatible with Huawei has a receiving function (receiver with CWDM) and a transmitting function (transmitter with CWDM) for the

SFP-GLS-W5340-A Avanis | europages

Gigabit Fiber WDM SFP Module, TX: 1550nm, RX: 1310nm, with SM LC 40km, Temperature Range 0~70 °C Application Area: | Small Office / Home Office, Small to Medium Business Customs Tariff

Berns gigabit sfp transceiver ✕ Lc photoelectric conversion ...

Last month, i helped the school's it center upgrade their surveillance network, and i almost cried from suffocation in the electrical well.—the three old switches all have rj45 ports, while

Huawei S-SFP-GE-LH40-SM1310 02317346 Optical

The Huawei S SFP GE LH40 SM1310 02317346 Optical Transceiver is an enhanced Small Form factor Pluggable (eSFP) module designed for Gigabit Ethernet (GE) applications. This module is

Gigabit Ethernet

Other, non-standard higher-powered single-strand optics commonly known as "BiDi" (bi-directional) utilize wavelength pairs in the 1490/1550 nm range, and are

The Ultimate Guide to SFP Modules (2026): Types,

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the

Wholesale Optical Transceivers Module | 100G QSFP28, 40G QSFP

10 Gigabit XFP BIDI Optical Transceiver T1270nm R1330nm 40KM Optical Transceiver Module|SFP+ 10G Single Fiber Optical Transceiver 80km 1490/1550nm Wavelength LC Optical Transceiver

Optical Transceiver Module Wholesale,10g/25g/40g/100g SFP+ Optical ...

Fiber optic module manufacturer,ETU-Link supply full model optical transceivers,including standard 8g/10g/25g/40g/100g sfp+ optical modules and copper RJ45 transceiver,wholesale at factory price!

Cisco Compatible Optical Modules Catalog

EXECUTIVE SUMMARY This document serves as the definitive technical reference for the Cisco Compatible Optical Modules Catalog, encompassing a comprehensive portfolio of Small Form-Factor

Hilink Optics QSFP QSFPDD OSFP 10G SFP transceiver, Optical

If you have any questions about Hilink Optics CWDM DWDM QSFP QSFPDD OSFP 10G SFP transceivers,we will give the professional solutions to you.

Cisco 10GBASE SFP+ Modules Data Sheet

A broad range of industry-compliant SFP+ modules for 10 Gigabit Ethernet deployments in diverse networking environments. Product overview The Cisco ® 10GBASE SFP+ modules (Figure

Optical Modules for Huawei S Series Switches

Multi-mode optical modules are applicable to short-distance transmission, while single-mode optical modules are applicable to long-distance transmission. Single-mode optical modules will be widely

Small Form-factor Pluggable

Small Form-factor Pluggable Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable (SFP) is a compact, hot-pluggable network interface module format used for

10GE SFP+ Optical Modules

If the SFP-10G-ER-1310 is connected to a 10Gbase-ER standard optical module (1550nm, 10GE, 40km), the maximum transmission distance is only 20km due to different specifications such as wavelength

Huawei eSFP 40km Gigabit Single-mode Optical Transceiver

Original Huawei 1.25G medium-long haul single-mode eSFP optical module, high transmit optical power & high receiving sensitivity design, stable 40km duplex single-mode fiber transmission.

OPTICAL MODULES FOR HUAWEI S SERIES SWITCHES

Single-mode optical modules are used with single-mode fibers. Single-mode fibers support a wide band and large transmission capacity, and are used for long-distance transmission.

Cisco SFP vs GBIC vs XFP vs SFP+: The Practical Optical

Wavelength: Defines the optical frequency (850 nm for short-range, 1310 nm for mid-range, 1550 nm for long-range). Connector Type: LC or SC, determining how the module interfaces

SFP28 A 25 Gbps small form-factor hot-pluggable optical module ...

The SFP28 optical module is a further advancement based on the SFP form factor, with a data rate of 25 Gbps, and shares the same physical dimensions as SFP+. SFP28 complies with the SFP28 Multi

OSX040N01 Huawei 10GBASE-ER 40km | EDGE Optical Solutions

EdgeOptic's OSX040N01 compatible is a Huawei-coded version of the EdgeOptic 10G-SFP-40 multi-vendor 10GBASE-ER SFP+ transceiver. It carries the Huawei part numbers OSX040N01 and

Huawei S-SFP-GE-LH40-SM1310 Optical

Huawei S-SFP-GE-LH40-SM1310 Optical Transceiver,eSFP,GE,Single-mode Module (1310nm,40km,LC) Price in Dubai UAE

Huawei SFP Module Price

Find huawei sfp module price and other fiber optic transceivers at our reliable supplier. High-quality, compatible, and affordable solutions for your network.

Huawei OSG040N02 ESFP 1310nm 40km Optical Module

With its advanced ESFP technology, this single-mode module supports data rates of up to 1.25Gbps over a distance of 40km, making it ideal for telecommunications and enterprise networking

Huawei OGEBIDI40 eSFP 1.25Gb/s 1490/1310nm 40km Module

The Huawei OGEBIDI40 is an enterprise-class eSFP optical transceiver designed for reliable Gigabit connectivity over single-mode fiber. Supporting a 1.25Gbps data rate with 1490nm transmit and

Huawei S-SFP-GE-LH40-SM1310 Compatible 1000BASE-EX SFP

Huawei S-SFP-GE-LH40-SM1310 compatible 1000BASE-EX SFP transceiver module is equipped with an LC duplex connector, which is high-performance, cost-effective, supporting a data rate of

XGSPON ONU SFP+ 1270nm-TX/1577nm-RX 9.953G-TX/9.953G-RX

Overview The XGS-SFP-ONT-MAC-I is a high-performance optical transceiver module designed for 10-Gigabit-capable passive optical network (XGS-PON) deployments. It functions as an integrated

Contact Us

For more information, pricing, or custom solutions, please contact us:

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

Email: info@araziyahsafety.co.za

Phone: +27 72 418 3692

Address: 123 Rivonia Road, Sandton, Johannesburg, 2196, South Africa

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