

HGN on Huawei optical modules



Overview

The GE 40KM SFP/OSG040001 HGN is a Huawei original Gigabit Ethernet optical transceiver, engineered for long-haul data transmission over single-mode fiber (SMF). Designed to operate at a 1490nm wavelength, this SFP module supports distances of up to 40 kilometers, making it ideal for enterprise. Huawei Original OSG040N02, HGN, GE 40KM SFP for Huawei OLT Uplink, S4017309 Availability: In Stock Experience exceptional network performance with the Huawei compatible 10G 1310nm 10G 10KM SFP+/FTLX1471D3BCL-HU SFP+ optical transceiver. This top-of-the-line product, directly from Huawei, guarantees superior quality and reliability. Operating at a wavelength of 1310nm, it provides a transmission. Huawei's StarryLink optical modules offer customers ultra-reliable, long-distance, and highly secure data center network interconnection experiences. Supporting transmission distances of up to 10 kilometers, it is optimized for 10 Gigabit Ethernet (10GbE) and SDH/SONET STM-64.



Article Content

Nov 01, 2025

10 Gbit/s SFP+ Optical Modules

10 Gbit/s SFP+ optical modules apply to 10 GE optical ports. The wavelength can be 850 nm, 1310 nm, or 1550 nm, and the transmission distance ranges from 0.5 km (0.31 mi) to 80 km (49.71 mi).

Jan 17, 2026

How to Identify Huawei-Certified Switch Optical Modules

A switch must use optical or copper modules that have been certified for use on Huawei S switches. Non-certified optical or copper modules cannot ensure transmission reliability and may

Aug 29, 2025

GE 40KM SFP/OSG040001 HGN Huawei Brand New Transceiver

GE 40KM SFP/OSG040001 HGN Huawei Brand New Transceiver The GE 40KM SFP/OSG040001 HGN is a Huawei original Gigabit Ethernet optical transceiver, engineered for long-haul data transmission

Dec 29, 2025

StarryLink Optical Module

The short-distance optical return loss positioning technology enables precise and efficient identification of contaminated or loose optical modules, achieving minute-level fault locating.

Sep 26, 2025

Optical Modules in Intelligent Computing Scenarios

Optical Modules in Intelligent Computing Scenarios In the AI era, Huawei provides a full range of GE to 800GE optical modules, featuring three major capabilities: Spanning (ultra-long transmission), Stable

May 11, 2026

Huawei Launches the Industry's First E2E fgOTN ...

During HUAWEI CONNECT 2024, Huawei released the industry's first E2E fine-grain OTN (fgOTN) optical transmission product portfolio — Huawei OptiXtrans E6600/E9600 — which can help build

Nov 19, 2025

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Sep 08, 2025

Huawei Optical Modules and Cables

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Dec 08, 2025

Why Are Alarms About Optical Modules That Are Not Certified for Huawei ...

Therefore, alarms about optical modules that are not certified for Huawei Ethernet switches are generated. You can run the transceiver non-certified-alarm disable command to disable the alarm

Oct 06, 2025

GE 40KM SFP/OSG040001 HGN Huawei Brand New Transceiver

The GE 40KM SFP/OSG040001 HGN is a Huawei original Gigabit Ethernet optical transceiver, engineered for long-haul data transmission over single-mode fiber (SMF).

Jul 11, 2025

Optical Modules in Intelligent Computing Scenarios

Huawei provides a full series of pluggable optical modules. A wide variety of modules give you flexible plug-and-play options for all types of interfaces.

Dec 19, 2025

Optical Modules in General-Purpose Computing Scenarios

Huawei offers a comprehensive portfolio of pluggable StarryLink optical modules for data center networks, with various models providing flexible plug-and-play solutions tailored to diverse interface

Feb 04, 2026

Huawei 1.25g Ge SFP Single-Module 1310nm, 40km,

Built with Huawei's renowned quality and expertise, this transceiver offers seamless compatibility with Huawei networking devices, ensuring easy integration and

Mar 12, 2026

OSG010001 HGN Huawei GE 10KM SFP/ High Quality Transceiver

OSG010001 HGN Huawei GE 10KM SFP High Quality Transceiver The OSG010001 HGNHuawei high-quality Gigabit Ethernet (GE) SFP optical transceiver, specifically engineered for 10 km transmission

Jul 16, 2025

Buy Huawei OLT Uplink Module OSG040N02 GE 40KM HGN Best

Inquire Huawei original OSG040N02 GE 40KM HGN Price, Wholesale GE 40KM HGN with best discount, Huawei GE 40KM HGN SFP Transceiver Module

Jul 07, 2025

1.25 Gbit/s SFP/eSFP Optical Modules

You can use different levels of 1.25 Gbit/s SFP/eSFP optical modules with GE interfaces and 10 GE interfaces. The wavelength of common 1.25 Gbit/s SFP/eSFP optical modules can be 850 nm, 1310

Mar 02, 2026

Constructing Intelligent Ultra-High-Speed

The optical-layer AI neurons are a functional module integrated into the latest generation of Huawei oDSPs (also integrated into all OA nodes) to sense the running status parameters of all wavelength

Jun 04, 2026

Huawei Original 10g 10km SFP+/Osx010000 Hgn 10g 1310nm 10km

This top-of-the-line product, directly from Huawei, guarantees superior quality and reliability. Operating at a wavelength of 1310nm, it provides a transmission distance of 0.1KM, making it perfect for short

Jun 14, 2026

Huawei Campus Optical Module Portfolio

In addition to the optical-to-electrical conversion function, the optical forwarding module integrates many signal processing functions, such as MUX/DEMUX, CDR, function control, performance data

Jul 15, 2025

Types of Optical Modules

Optical modules are available in various types to meet diversified requirements. Depending on transmission rates, optical modules are classified into 100GE, 40GE, 25GE, 10GE, FE, and GE

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OSX040N01 HGN Original HUAWEI 10G 1550nm 40km SM SFP

Buy Huawei OSX040N01 HGN Original 10G 1550nm 40km SM SFP+ Module with Compatible Test Report Assured, 3-Level Quality Control, at 8-Year Gold Supplier Thunder-link

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Huawei optical SFP module HGN

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StarryLink Optical Module

Huawei's StarryLink optical modules for data center networks offer seamless interconnection from GE to 800GE across all scenarios, delivering customers an ultra-reliable, long-distance, and highly secure

Feb 26, 2026

Huawei Technical Support

This document provides technical details about 1Gbps eSFP Optical Modules, including specifications and support information.

May 10, 2026

Types of Optical Modules

Therefore, when using such optical modules, select optical fibers of an appropriate length to ensure that the actual receive power is smaller than the overload power. If the optical fibers connected to a long

Dec 29, 2025

Troubleshooting Optical Module Issues

Troubleshooting Optical Module Issues Symptom An optical port cannot go Up. The optical module cannot be properly identified and optical module information cannot be obtained. After

Mar 06, 2026

10G 10KM SFP+/OSXA01001 HGN Huawei High Quality Transceiver

Looking for high-performance optical transceivers for your 10G network? Contact us now for best-in-class pricing, full datasheets, or bulk purchase support on the Huawei OSXA01001 HGN SFP+

Contact Us

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

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