

Huawei Enterprise-Grade Gigabit Optical Module



Overview

Huawei OptiXstar P813E-E is an Optical Network Unit (ONU) with eight GE ports that support Power over Ethernet (PoE) and Power over Ethernet Plus (PoE+), delivering high-quality voice, data, and High-Definition (HD) video services. In the AI era, Huawei provides a full range of GE to 800GE optical modules, featuring three major capabilities: Spanning (ultra-long transmission), Stable (ultra-high reliability), and Secure (ultra-solid security). Together, they ensure resilient data center interconnectivity and empower. Experience reliable long-haul connectivity with Rollball enterprise-grade Gigabit SFP transceiver module. Engineered for extended reach applications, this fiber optic module delivers stable 1.25 Gbps data transmission over distances up to 40km on single-mode fiber. Operating at a 1310 nm wavelength, it supports a 1.25 Gbps data rate and uses an LC duplex interface, making it an ideal solution for. With the surge in AI development, AI training clusters have evolved to a scale of 10,000+ GPUs, resulting in a significant increase in the number of optical modules required. For example, SFP-10G-BXD1 must be used with SFP-10G-BXU1. If the SFP-10G-ER-1310 is connected. The 10G single-mode optical module OSX010000 is Huawei's 10G single-mode optical module based on optical fiber transmission. It supports long-distance transmission and is suitable for data centers, enterprise networks, 5G communications, artificial intelligence, big data and other fields.

Article Content

Enabling Industries with Gigabit Optical Networks

With the accelerated growth of gigabit optical networks, premium OTN private lines are a key focus of large enterprises for digital transformation.

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.

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

10G single-mode OSX010000: a reliable solution for enterprise high ...

The 10G single-mode optical module OSX010000 is Huawei's 10G single-mode optical module based on optical fiber transmission. It supports long-distance transmission and is suitable for data centers,

Buy otelongitude ascend, Good quality otelongitude ascend

Product Overview The Huawei QSFP-DD-400G-SR4 is a high-performance, hot-pluggable optical transceiver designed for 400 Gigabit Ethernet links over multi-mode fiber (MMF).

Huawei OptiXstar P813E-E ONU

Huawei OptiXstar P813E-E is an Optical Network Unit (ONU) with eight GE ports that support Power over Ethernet (PoE) and Power over Ethernet Plus (PoE+), delivering high-quality voice, data, and

Types of Optical Modules

Huawei S series devices support optical modules of the following encapsulation types: CFP, CFP2, QSFP+, QSFP28, XFP, SFP, eSFP, and SFP+. All optical modules are hot swappable.

Huawei OptiXstar P613E-E ONU

Huawei OptiXstar P613E-E is an Optical Network Unit (ONU) designed for enterprise campus and video backhaul scenarios. It features eight GE ports that support

Huawei Technical Support

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

Custom 1.25G & 2.5G SFP MODULE Factory | OEM Optics

Comprehensive 1.25G (1000BASE) SFP MODULE Solutions The ultimate plug-and-play Gigabit connectivity solution. Engineered for seamless 1.25Gbps data transmission across enterprise LANs,

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).

Huawei SFP-GE-LH40-SM1310 Compatible 1000Base SFP Module

1000BASE-LX SFP 1310nm 40km DOM Optical Transceiver Module Compatible with Huawei SFP-GE-LH40-SM1310 Experience reliable long-haul connectivity with Rollball enterprise-grade Gigabit SFP

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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

GE 40KM SFP/OSG040001 HXB Huawei High Quality Transceiver

Ideal for telecom networks, enterprise connectivity, and FTTx applications, this module combines reliability, low power consumption, and real-time digital diagnostics in a compact SFP form factor.

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 (ultra-high reliability), and Secure (ultra-solid

OSG040N02 HXB Huawei GE 40KM SFP/ High Quality Transceiver

Operating at a 1310 nm wavelength, it supports a 1.25 Gbps data rate and uses an LC duplex interface, making it an ideal solution for enterprise backbone links, metro networks, and carrier-grade optical

1.25 Gbit/s SFP/eSFP Optical Module

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

10GE SFP+ Optical Modules

OMXD30000 OSX010000 OSX040N01 OSXD22N00 SFP-10G-BXD1 SFP-10G-BXU1
SFP-10G-ER-1310 SFP-10G-ER-SM1270-BIDI SFP-10G-ER-SM1330-BIDI SFP-10G-LR-I
SFP-10G-USR SFP-10G

SFP+ Module Growth Opportunities and Market Forecast 2026-2034:

PLANET Technology Corporation: Specializing in IP-based networking products, PLANET Technology integrates SFP+ modules to provide versatile fiber optic connectivity solutions for its

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

Contact Us

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