Huawei Enterprise-Grade Optical Modules

Overview

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 requirements. 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 instance, the 1000-GPU cluster needed for training GPT-3 requires interconnections using 2500 200G or 4000 400G optical. BARCELONA, Spain, March 3, 2026 /PRNewswire/ -- At the Mobile World Congress (MWC) 2026, held in Barcelona from March 2 to 5, Huawei showcased its latest advancements in optical technologies for enterprise customers under the theme "Optical-Intelligence Convergence, Powering AI for All Industries. ". Huawei Enterprise Business Group is the enterprise-focused division of Huawei Technologies Co., a global leading provider of ICT (Information and Communications Technology) infrastructure and smart devices. Established in 1987, Huawei has grown into one of the world's largest. 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. Optical module is an optoelectronic device that performs optical-to-electrical and electro-optical conversion. The transmit end of electrical signal. Optical modules are classified by encapsulation type.

Article Content

Optical Transmission

Huawei OptiXtrans E9624X An intelligent all-optical converged transport platform designed for enterprise production networks, ensuring the secure and reliable

Huawei Showcases New Enterprise Optical Products at MWC 2026 to ...

For enterprise scenarios, Huawei unveiled cutting-edge solutions and products, including iFTTO, industry optical communication networks, next-generation FAN, and fiber sensing.

10GE SFP+ Optical Modules

This document provides an overall description of the CE12800 series switches hardware, helping you obtain detailed information about each chassis, power module, fan module, card, cable, and

Understanding Pluggable 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

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

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

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

Huawei Unveils StarryLink Optical Modules That ...

To tackle these challenges, Huawei has launched its StarryLink optical modules for data center networks, featuring three robust capabilities: spanning, stable, and secure, delivering a "3S"

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

Types of Optical Modules

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Optical Modules in Intelligent Computing Scenarios

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Single OptiX Solution for Enterprises

To comply with the digital transformation of enterprises, Huawei''s Single OptiX solution helps build all-optical interconnection solutions oriented to the future

40Gbps QSFP+ Optical Modules

QSFP-40G-LR4 QSFP-40G-SDLC-PAM QSFP-40G-SR-BD (02311FPA) QSFP-40G-eSR4 QSFP-40G-iSR4 QSFP-40G-LX4 QSFP-40G-ER4 QSFP-40G-LR4-Lite QSFP-40G-LX4-MM QSFP-40G-eSDLC

Huawei Launches Next Generation Optical Network

In the optical transmission domain, Huawei has released Next Generation OTN products for OTN backbone, OTN optical layer, and OTN metro

Huawei Technical Support

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

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

What Is StarryLink Optical Module? Why Do We Need It?

Huawei''s StarryLink optical modules are designed for next-generation data centers and intelligent computing networks. They are ideally suited for high-speed interconnection scenarios such

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

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

Huawei Enterprises Sales | Enterprise Networking

About Us Huawei Enterprise Business Group is the enterprise-focused division of Huawei Technologies Co., Ltd., a global leading provider of ICT (Information and

Types of Optical Modules

Multimode optical modules are used with multimode fibers. Multimode fibers have lower transmission performance than single-mode fibers because of modal dispersion, but their costs are also lower.

Intelligent OptiX Network | OptiX | All-Optical

Huawei''s intelligent OptiX network strategy aims to build intelligent, simplified, ultra-broadband, and ubiquitous next generation all-optical networks.

Optical Module Encapsulation Types

Currently, the main port types are SR4, LR4, ER4, and IR4. A quad small form-factor pluggable 28 (QSFP28) module is a 100G pluggable optical module that uses the LC/MPO port. It is a next

Optical Access

Based on PON technology, passive all-optical network access solutions enable access by any media, tailored to enterprises, ISPs, and MSOs.

Contact Us

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