

# Huawei Intelligent Optical Module



## Overview

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). An intelligent optical module can collect the receive optical power data and work with the fault diagnosis function of the NMS to accurately determine the type of a fault on the client side. Why Do We Need Intelligent Optical Modules?

Traditional optical modules do not support intelligent. 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. Together, they ensure resilient data center interconnectivity and empower. Huawei's StarryLink optical modules offer customers ultra-reliable, long-distance, and highly secure data center network interconnection experiences. Huawei Optical Module is manufactured by Huawei Technologies Co. is a telecommunications network solutions provider.



## Article Content

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Huawei Optical Module Common Models

Optical modules are important devices in fiber optic communication systems. Huawei Optical Module is manufactured by Huawei Technologies Co. and originated in Shenzhen.

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Huawei OPTICAL SPLITTER MODULE Price

The Best Huawei Products Price List Checking Tool ICT-Router, Switch, Optical Transmission & Access Network

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Striding Towards the Intelligent World White Paper

The optical sensing technology can also be used in a wide range of scenarios such as fire and earthquake warning to explore new services and applications and maximize the value of fiber

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Optical Transmission

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

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Huawei Unveils StarryLink Optical Modules That Deliver

These modules ensure ultra-long distance transmission, ultra-high reliability, and ultra-robust security, delivering an ultimate network performance

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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" high

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Huawei Technical Support

Learn how to display optical module information on Huawei devices using specific commands and understand the diagnostic details of optical modules.

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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

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

The StarryLink optical module is a core component developed by Huawei for data center networks. It delivers ultra-long-distance transmission, exceptional reliability, and enhanced security,

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Understanding Optical Modules

Understanding Optical Modules Appearance and Structure of an Optical Module Types of Optical Modules Optical Module Terms Rules for Optical Module Interoperation

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Huawei Joins Forces with Partners to Accelerate Gigabit

The "Intelligent OptiX Accelerating Gigabit Optical Network Construction" summit — part of Huawei Analyst Summit 2021 — was held on

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Huawei Launches Industry's First 800G Tunable Ultra-High-Speed Optical ...

At the Huawei products and solutions launch in London, Peng Song, President of Huawei's Carrier BG Marketing and Solution Sales Dept, Launched the industry's first 800G tunable

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Intelligent Optical Module

The intelligent optical module has high-precision sensing capabilities. It can extract receive optical power data at an interval of milliseconds, cache the collected data, and report the

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

Huawei engaged with customers, partners, standards organizations, and technology leaders to accelerate intelligent transformation across industries.

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Future All-optical Network Architecture and Key Technologies

At Huawei, we believe that all-optical network architectures will help make people's lives more digitalized and intelligent and serve as the connectivity foundation for an intelligent world.

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Optical Module

Optical Module Encapsulation Types This topic describes the encapsulation types of optical modules on WDM products Transmission Distance of an Ethernet Module Optical Module

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Huawei Launches iFTTO Solution, Accelerating Campus ...

At MWC Barcelona 2026, Huawei unveiled iFTTO solution, designed to accelerate the intelligent transformation of campuses through artificial intelligence.

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Huawei Unveils StarryLink Optical Modules That Deliver

To address these challenges, Huawei's StarryLink optical modules

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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

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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

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### Huawei Campus Optical Module Portfolio

When two optical interfaces have copper modules installed, the interfaces can be connected using a copper cable. Currently, Huawei offers only GE copper modules with RJ45 interfaces.

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### Displaying Optical Module Information

When certifying an optical module, Huawei comprehensively verifies the functions of the optical module to ensure the optical module quality. The functions include the installation and removal, transmit and

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### 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

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