

# Huawei s Latest Breakthrough in Optical Module Technology



## Overview

BARCELONA, Spain, March 6, 2025 / PRNewswire / -- At the Mobile World Congress 2025 (MWC 2025), Huawei launched the StarryLink optical modules, designed to enhance network experiences with "3S" quality (Spanning, Stable, Secure). Evolving towards the 2030 optical communications network system and architecture is a key issue facing the optical communications industry and requires viable technical options for building future-oriented and novel optical communications network systems. This announcement occurred during the data center session titled "Building New. Huawei has started shipping its next-generation high-performance coherent DSP in the first quarter of 2026 as an embedded assembly in a muxponder with two ports of 2. The client ports in the module include a mix of 100 Gbps, 400 Gbps, and 800 Gbps. These muxponders are. PARIS, Oct. 24, 2025 /PRNewswire/ -- At the Network X 2025 ceremony, Huawei won three awards: Most Innovative Optical Transport Use Case, Best Network AI Solution for Fibre Networks, and Outstanding Green Fibre.

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To address these challenges, Huawei's StarryLink optical modules deliver a high-quality network experience with three key capabilities: Spanning: Utilizing a unique optical path coupling ...



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Huawei unveils AI-centric optical innovations to future-proof networks. At Mobile World Congress Barcelona 2025, Huawei emphasised the urgent need for operators to construct future ...



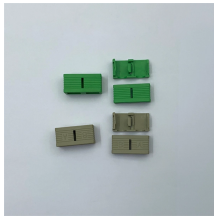
Then, at the system level, Huawei also internally develops and manufactures the major components of its optical line systems, including its pump lasers and WSS modules, giving the ...



Stable : Huawei's short-distance optical return loss positioning technology enables fault detection on optical links in minutes, significantly faster than the typical three-hour industry...



At the Mobile World Congress 2025, Huawei made a significant announcement regarding the launch of its latest optical modules, known as StarryLink. These modules are tailored to transform network ...



In the future, Huawei will continue to deepen the integration of optical chips with AI and quantum technologies to reshape the information infrastructure of the intelligent era.



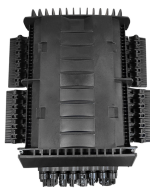
Huawei won three awards in the all-optical network field at Network X. Huawei continues to lead the way in optical transmission, driving innovation and real-world adoption of...



According to Huawei's analysis, the multi-fiber solution and uncoupled fiber solution are currently the two most mature. The former is a mature design based on parallel single-mode fibers, while the latter has ...



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As a result, Huawei is constantly innovating its optical system design, from the chip level to the system level. The 2 Tbps technology is now ready, with the first wave of deployments underway. ...

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