Syropy AI Connectivity

Huawei adds AI computing power 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). To address these demands, Huawei has launched the StarryLink optical module brand. LRO (linear receiver optics) optical module is a pluggable optical module that retains a re timer at the. On April 24, 2025, during the Energy Network Communication Innovation Application Conference, Yang Xi, President of Huawei's Government and Enterprise Optical Division, delivered a keynote speech titled "No Light, No AI – Full Optical Networks Accelerate AI Empowerment in New Power Systems. The Huawei CloudMatrix 384 super-node is a key technological breakthrough of Huawei AI computing infrastructure, mainly used to solve the communication efficiency problem of large-scale AI clusters. Imagine connecting thousands of powerful AI chips scattered in dozens of server cabinets and making them work together as if they were a single, massive computer.

Huawei adds AI computing power optical module

No Fiber, No AI: All-Optical Networks Accelerate Industries with

Powered by AI, the solution uses optical fibers and videos for coordinated inspection, delivering 10 times higher accuracy than traditional solutions across diverse geological and perimeter

Newsroom

Huawei's official news feed, bringing you real first-hand information

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,

Huawei AI CloudMatrix 384 - China's Answer to Nvidia

Huawei AI CloudMatrix 384 - China's Answer to Nvidia GB200 NVL72 China Abundance of Power, 100% Optics, 0% Copper, Power Inefficiency, 2.6x

Breaking New Frontiers in AI Infrastructure: The Launch of the TS

Discover the details of Breaking New Frontiers in AI Infrastructure: The Launch of the TS-OPO8-858H-01C-V 800G OSFP VR8 Optical Transceiver at LonRise Equipment Co. Ltd., a leading

Huawei Proposes to Build an AI-centric F5.5G All

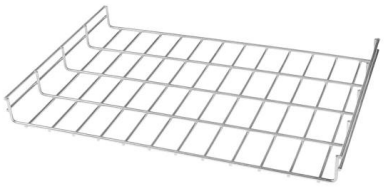
AI device-cloud synergy, and intelligent computing training require high network bandwidth, low latency, and high reliability. Huawei is continuously

Inside Huawei's plan to make thousands of AI chips

Whether the ecosystem proposed by Huawei can achieve comparable performance and maintain commercial viability remains to be

Key products in Huawei's AI chips and computing power

China's Huawei (HWT.UL) has ended years of secrecy to detail its product roadmap for chips and computing power systems, discussing for the first



Future All-optical Network Architecture and Key Technologies

The enormous computing and transport power that accompanies these developments urgently needs all-optical infrastructure. Optical communications networks have been presented with unprecedented

Huawei AI CloudMatrix 384 - China's Answer to Nvidia

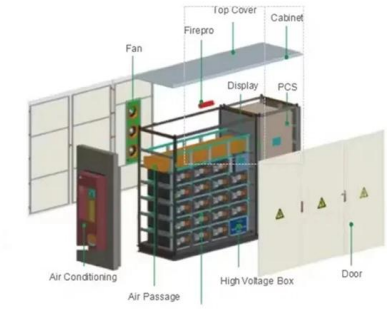
Meet China's newest and most powerful Chinese domestic solution, the CloudMatrix 384 built using the Ascend 910C. This solution competes directly

Huawei Releases 7 Innovations to Help Carriers Build

[Istanbul, Türkiye, November 5, 2024] During UBBF 2024, Kim Jin, Vice President of Huawei Optical Business Product Line, released seven innovations for the F5.5G

Huawei and Tencent jointly Release Innovative LRO Pluggable

The performance of the 112G LRO optical module based on VCSEL chip in transmitting 100 meter OM4 multimode fiber is less than 1dB, which means that there is a highly promising low



No Fiber, No AI: All-Optical Networks Accelerate

Better remote inspection technology is needed. Next-generation optical fiber sensing resolves these issues with superior detection sensitivity,

No Fiber, No AI: All-Optical Networks Accelerate Industries with

Better remote inspection technology is needed. Next-generation optical fiber sensing resolves these issues with superior detection sensitivity, wider coverage, a longer lifecycle, and no

200G Optical Module Market 2025

200G Optical Module Market was valued at 2625 million in 2024 and is projected to reach US$ 4991 million by 2032, at a CAGR of 9.9% during the forecast period.

Optical Modules in Intelligent Computing Scenarios

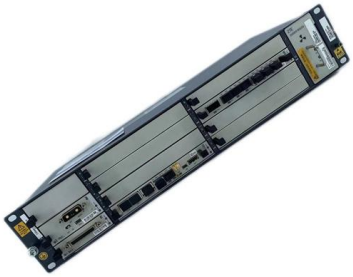
In the AI era, Huawei provides a full range of GE to 800GE optical modules, featuring three major capabilities: Spanning (ultra-long transmission), Stable (ultra-high reliability), and Secure (ultra-solid

Everything You Need to Know About 800G/1.6T Optical Transceiver

Additionally, the current power consumption and cost of the 1.6T optical module are quite high, and there is still a long way to go compared to the well-optimized solutions already in place for

Key products in Huawei's AI chips and computing power

Huawei is planning three new series over the next three years, namely the Ascend 950, 960 and 970, with the 950 to be launched in the first



Huawei Accelerates AI Empowerment in New Power

Huawei's full optical network solution for power parks features five key characteristics: ultra-10G, multiple connections, low latency, high reliability, and

The Digital Insider , Inside Huawei's plan to make thousands of AI

Imagine connecting thousands of powerful AI chips scattered in dozens of server cabinets and making them work together as if they were a single, massive computer.

Comprehensive Overview of Optical Module and DCI Trends: 2026-2034

The optical module and DCI market is booming, projected to reach $40 billion by 2033, driven by cloud computing, 5G, and data-intensive applications. Learn about market trends, key

Huawei Proposes to Build an AI-centric F5.5G All

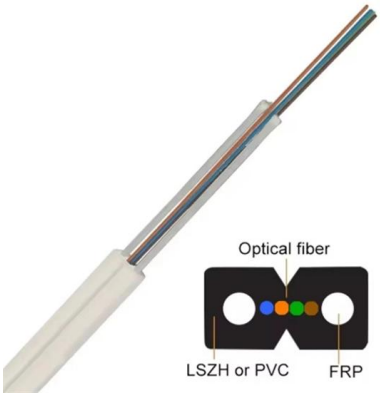
Huawei's DC optical switching solution supports the expansion of intelligent computing from 1000 cards to millions of cards based on ultra-dense

How AI Revolutionizes the Optical Module Industry

6. Conclusion Powered by the dual engines of AI and cloud computing, the optical module industry is evolving from a support role into strategic

Huawei CloudMatrix 384 Super-node: 6912×400G SiPh

The Huawei CloudMatrix 384 super-node is a key technological breakthrough of Huawei AI computing infrastructure, mainly used to solve the



Huawei Launches Next Generation Optical Network

Bob Chen, President of Huawei Optical Business Product Line, is unveiling Next Generation Optical Network products and solutions AI is rapidly penetrating home

Light Reading

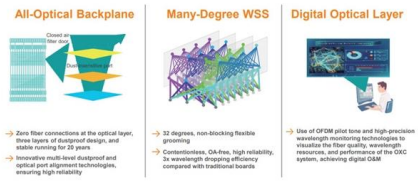
Cisco optical innovations deliver high-density, power-efficient AI networking backbone Optical Networking

Huawei: Towards AI ON for New Growth in the AI Era

During the MWC Barcelona 2025, Bob Chen, President of Huawei Optical Business Product Line, proposed the evolution of optical networks

New Paradigm of Optical Interconnection Under the Computing Power

The explosive growth of AI large models and general computing power is driving the rapid upgrade of data center interconnection bandwidth from 800G to 1.6T, 3.



Huawei Cloud reports 250% surge in AI computing power

Huawei Cloud has reported a major jump in its computing capacity, saying it is expanding fast to meet growing demand for AI in China.

Contact Us

For datasheets, pricing, or custom high-speed optical interconnect solutions, please visit:
https://www.syropy.com.pl