

800g optical modules supplied to Huawei



Summary of Content

Huawei's 800G optical module is a high-speed, ultra-high-capacity optical transceiver designed for next-generation data centers and 5G network backhaul, supporting flexible rates from 200G to 800G with enhanced transmission distance and thermal efficiency.

Overview and Performance

The Huawei 800G optical module is engineered to handle ultra-high-speed data transmission at 800Gbps, effectively doubling the capacity of 400G modules and enabling data centers to manage massive traffic loads efficiently. It supports flexible rate adjustment from 200G to 800G, allowing operators to adapt to various application scenarios and future-proof their networks for the next decade. The module achieves a single-core fiber capacity of 48T, which is approximately 40% higher than previous solutions, significantly improving throughput for high-density deployments.

Key Technological Features

- **PAM4 Modulation Technology:** Huawei 800G modules utilize Pulse Amplitude Modulation 4-level (PAM4), which doubles the data rate per channel compared to traditional NRZ modulation, enabling higher efficiency in the same signal bandwidth.
- **Multi-Channel Parallel Transmission:** The module aggregates bandwidth through 8-channel parallel transmission, allowing simultaneous high-speed data streams and reducing latency in data-intensive applications.

Article Content

Huawei unveils 800G tunable optical module

Huawei has launched what the company asserts is the first 800G tunable optical module. The module should help support the

ENABLING THE NEXT GENERATION OF CLOUD & AI USING 800GB/S OPTICAL MODULES

1. Cloud Expansion Sets Pace for Optical Modules Cloud computing and storage have taken over as the technological backbone to a

OSFP-800G-2VR4 Huawei Compatible 800GBASE-2xSR4 Transceiver

We perform compatibility tests for OSFP-800G-2VR4 (02315EEK) Huawei compatible Transceiver with the most recent Huawei

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

Introduction to 800G/1.6T Pluggable Optics Modules The Evolution of Optical Transceivers: From 100G to 1.6T Driven by the

Huawei OSFP-800G-2DR4 Optical Module Datasheet

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The Technology and Application Prospects Of 800G Optical Modules

As the switching chip rate further increases to 102.4Tbit/s, the demand of both 800G and 1.6T optical modules will rise.

Optical Modules in Intelligent Computing Scenarios

Huawei provides a full series of pluggable optical modules. A wide variety of modules give you flexible plug-and-play options for all

Huawei OSFP-800G-SR8-D Optical Module Datasheet

Huawei OSFP-800G-SR8-D Optical Module Datasheet Short description for people who can't see the image or when the image

Huawei White Label OSFP-800G-2DR4-D Optical Module Datasheet

The Huawei White Label OSFP-800G-2DR4-D Optical Module is an optoelectronic device designed for high-speed data

Huawei 800G Optical Transceiver List High-Capacity: OSFP & QSFP-DD

The Huawei 800G optical transceiver portfolio is designed for next-generation hyperscale data centers, high-performance AI

Huawei OSFP-800G-DR8 Optical Module Datasheet

Huawei offers a comprehensive series of pluggable optical modules in the Huawei portfolio. The wide variety of modules gives you

IP + Optical: The Mainstream Solution for the 400G Era

Even if QSFP-DD modules are replaced with CFP2 modules, the 800G ZR+ performance is lower than the 400G ZR+

Huawei unveils 800G tunable optical module | Lightwave Online

Huawei has launched what the company asserts is the first 800G tunable optical module. The module should help support the

800Gb bandwidth fiber optical module is coming from HuaWei

To help operators calmly cope with the bandwidth challenges of future 5G networks, Huawei launched the first 800G ultra-high-speed

Huawei is leading the Chinese optical market, 800G ...

Subsequently, the 800G transmission system becomes the main focus in the industry, after the commercialization of

800GbE Optics Shipments to Grow 60% in 2025

The datacom optical component market will grow 60%+ to reach over \$16B in revenue during 2025, based primarily

Huawei OSFP-800G-SR8-D Optical Module Datasheet

Short description for people who can't see the image or when the image doesn't load.

Huawei successfully completes live tests of 800G

Huawei has also successfully completed another trial with Turkcell in Istanbul, Turkey

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

[London, UK, February 26, 2020] At the Huawei products and solutions launch in London, Peng Song, President of Huawei's Carrier

Huawei OSFP-400G-SR8-W Optical Module Datasheet

Huawei White Label OSFP-800G-SR8-W Optical Module Datasheet Download (0.7MB)
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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,

Chinese Optical Modules Own 7 of the Top 10 Seats. So Why Are

Seven of the global top 10 optical module suppliers in 2024 were Chinese companies (including Source Photonics,

DU and Huawei Achieve Milestone with World's First 800G Optical ...

Saleem Al Blooshi, the Chief Technology Officer at du, expressed enthusiasm regarding the partnership with Huawei,

Huawei 800G-QSFP-DD-SR8 Compatible 800G OSFP SR8 | Carritech

The 800GBASE-SR8 QSFP-DD Optical Transceiver Module is designed for high-speed data transmission, offering support for link

Contact Us

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