



Which manufacturer produces 800g optical modules

What does an optical transceiver do?

Optical modules are mainly packaged by optoelectronic devices TOSA/ROSA, functional circuits and optoelectronic interface components. The optical t...

What is the optical module industry chain?

The upstream industry of optical modules mainly includes optical chips, optical components and optical devices, and the downstream industry mainly...

Who are the main manufacturers and suppliers in the optical module industry chain?

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Article Overview

Key manufacturers of 800G optical modules include InnoLight, II-VI/Coherent, Accelink, Huagong Tech, Linktel, and Cisco Acacia, all offering high-speed optical transceivers for data centers and telecom networks.

Leading 800G Optical Module Manufacturers

InnoLight is a global leader in high-speed optical transceivers, offering a complete line of 100G, 200G, 400G, and 800G optical modules. Their products serve major communication equipment vendors and cloud data center customers, supporting both short- and long-distance transmission applications . II-VI (Coherent Corp.), formerly Finisar, provides a wide range of optical modules including 800G transceivers. II-VI has a strong market presence in high-speed optical communications and supplies modules to leading telecom and data network operators . Accelink Technologies specializes in the full optical communication industry chain, from chips to modules and subsystems. They provide 800G optical modules for telecom operators, data networks, and cloud infrastructure, emphasizing high-speed and high-density solutions . Huagong Tech, Linktel, and CIG Shanghai Co., Ltd. are notable Chinese manufacturers producing 800G optical modules for both domestic and international markets, focusing on data center and 5G network applications . Cisco Acacia (now part of Cisco) develops silicon-based high-speed optical interconnect devices, including 800G modules, designed to enhance network scalability, performance, and cost efficiency for cloud and service providers .

Module Form Factors and Technology

Most 800G optical modules are available in QSFP-DD800 and OSFP800 form factors, supporting high-density deployment in data centers and AI/ML clusters. They utilize PAM4 modulation to achieve higher data rates and improved network performance compared to traditional NRZ modulation .

Market and Applications

800G optical modules are widely deployed in data centers, backbone networks, and high-performance



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computing environments, enabling 8 billion bits per second transmission per module. The market is expanding rapidly due to the adoption of 51.2T switch chips from vendors like Marvell, Cisco, and Broadcom, which drive large-scale deployment of 800G modules . These manufacturers provide standards-compliant, interoperable solutions suitable for multivendor environments, ensuring reliability, thermal management, and seamless integration with network operating systems such as Junos OS . In summary, InnoLight, II-VI/Coherent, Accelink, Huagong Tech, Linktel, and Cisco Acacia are the primary suppliers of 800G optical modules, offering advanced high-speed transceivers for telecom, cloud, and data center applications.

FS 800G Optical Modules & DAC/AOC Cables Overview Product Lists FS provides a comprehensive portfolio of 800G

NEW CASTLE, Del., Sept. 1, 2025 -- 800G LPO DR8 from FS is an OSFP finned top linear pluggable optics (LPO) module for high

Optech: A Leader in Optical Transceivers and Network Solutions Optech, a professional optical transceiver manufacturer, provides a

Eoptolink fully deploys silicon photonics and 800G optical modules, and actively expands category customers.

Hyper Photonix 800G optics are available in QSFP-DD112 and OSFP-112 form-factors and 500m to 10km reach, and

Qualified for use across Juniper's 800GbE-capable PTX and QFX product families, Juniper offers an expanding portfolio of 800G

Discover everything about 800G optical modules--standards, packaging, types &

The 800G optical module market was valued at \$4.8 billion in 2025 and is projected to reach \$28.6 billion by 2034, growing at a

The next key development is 800G, and the industry is already gearing up to deploy this next generation of client optics in hyperscale

Optical module is the optoelectronic device that realizes photoelectric and photoelectric conversion in optical

The architectures, deployment progress, and future trends of 800G optical transceivers module. Learn how are reshaping data center

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Are you curious about which optical module manufacturers stand out in today's competitive market? Understanding the top factories

Company Analysis: Report covers individual 800G Optical Module manufacturers, suppliers, and other relevant industry players. This

Global 800G Optical Module Market: Market Segmentation Analysis This research report provides a detailed

Rapidly growing data volumes are fueling a paradigm shift in high-speed connectivity. Against this backdrop, 800G optical

The rapid development of AIGC has promoted the demand for 800G optical modules, and the entire industrial chain

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