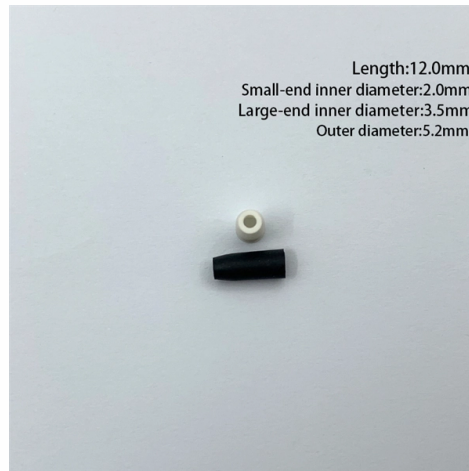


Companies with 800g optical modules



Overview

Global 800G Optical Module Supply, Demand and Key Producers, This reports profiles key players in the global 800G Optical Module market based on the follow.

Key Takeaways

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 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.

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