

Article Overview

Leading manufacturers of 400G optical modules include InnoLight, Coherent, Eoptolink, Cisco (Acacia), Accelink, Kocent Optec, and Broadcom.

Key Global Manufacturers

- o InnoLight Technology (China): A top supplier for hyperscale AI and cloud data centers, specializing in 400G and 800G OSFP/QSFP-DD modules with high-speed PAM4 designs for dense deployments .
- o Coherent (USA): Formerly Finisar, Coherent produces a wide range of optical transceivers, including 400G ZR/ZR+ coherent modules, leveraging silicon photonics and integrated optics for telecom and datacom applications .
- o Eoptolink Technology (China): Known for agile manufacturing and low-power PAM4 400G transceivers, serving cloud networks and fast deployment scenarios .
- o Cisco (Acacia Communications, USA): Focuses on coherent optics for long-haul data center interconnects, offering high-performance 400G modules for enterprise and telecom networks .
- o Accelink Technology (China): Provides optical transceivers and components for telecom backbones, 5G fronthaul, and high-speed data center applications .
- o Kocent Optec (China): OEM manufacturer offering cost-efficient 400G modules with multi-vendor compatibility (Cisco, Arista, Juniper), emphasizing reliability, thermal management, and rapid R&D iteration .
- o Broadcom (USA): Supplies 400G/lane optical DSPs and EML/PD modules, enabling next-generation 1.6T and 3.2T transceivers, optimized for AI infrastructure and high-density data centers .

Considerations for Selection

- o Form Factor: QSFP-DD and OSFP are common for 400G modules, while coherent ZR/ZR+ modules are used for metro and long-haul networks .
- o Modulation Technology: PAM4 is widely adopted for 400G to double bit rate per lane, while coherent optics support longer distances .
- o Compatibility: Many OEMs ensure multi-vendor interoperability, which is critical for large-scale deployments .
- o Power and Thermal Efficiency: Leading manufacturers focus on low power consumption and effective thermal management to support dense data center environments . These manufacturers collectively cover hyperscale cloud, telecom, and enterprise networks, providing both standard and custom 400G optical modules to meet evolving bandwidth demands and next-generation network requirements.

KOCENT OPTEC LIMITED specializes in manufacturing high-quality OEM 400G optical modules tailored



Manufacturer of 400G optical modules

for B2B buyers worldwide.

The 400G Optical Module Market exhibits a predominantly consolidated structure, characterized by a handful of

Recently, we've received numerous inquiries from users about 400G optical modules. As a mainstream optical

The global 400G Optical Module market size is expected to reach \$ million by 2030, rising at a market growth of %

FS provides an expanding portfolio of 400G OSFP/QSFP112/QSFP-DD solutions featuring high

Optical transceivers have revolutionized data transmission, providing high-speed, long-distance, and secure data transmission

To help you choose the best partner, this article will analyze and introduce 10 companies in the optical transceiver

optical modules with different rates have been launched one after another, among which

A clear, engineer-friendly overview of 400G optical modules, including standards, packaging formats, functions, and

P2. Silicon Photonics Optical Module in Manufacture In conclusion, silicon photonics technology is paving the way for

Global Best Manufacturer of High Speed SFP+ transceiver, Fiber optic transceiver, Cisco compatible transceiver modules, our

Key differences between SR4, DR4, FR4, and LR4 400G optical modules. Expert advice from Asterfusion engineers

A comprehensive portfolio of 400G QSFP-DD optical transceivers is available at InnoLight Technology. The series of products

Learn how Cisco 400G QSFP-DD High-Power (Bright) Optical module's small size and low power make it an optimal

Based on an oDSP and optical components with the highest performance, the 400G MSA module delivers the optimal performance



Manufacturer of 400G optical modules

400G Coherent Optics is a complex system that integrates key photonic and electronic components to enable high

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