

Companies capable of mass-producing 400g optical modules



AI Overview

Leading manufacturers of 400G optical modules include InnoLight, Intel, Cisco, Juniper, Arista, Mellanox/NVIDIA, Dell, Amphenol, Broadex, Lumentum, Accelink, Sumitomo Electric, and Topstar Technology. Key Manufacturers and Their Focus:

- InnoLight Technology Corporation** – Specializes in high-volume production of data center interconnect modules, serving hyperscale cloud operators and enterprise networks, with a focus on QSFP-DD and OSFP form factors for 400G deployments.
- Intel** – Leverages Silicon Photonics to produce integrated 400G transceivers, emphasizing power efficiency, high-density solutions, and compatibility with cloud and enterprise data centers.
- Cisco** – Integrates 400G modules into its routing and switching platforms, supporting interoperable solutions across large-scale networking environments.
- Juniper Networks** – Offers a broad portfolio of 400G coherent and direct-detect optical transceivers for metro, edge, core, and data center networks, ensuring compliance with industry standards.
- Arista** – Provides high-performance networking solutions for cloud data centers and large enterprises, requiring cutting-edge 400G optical modules for scale and speed.
- Mellanox Technologies (NVIDIA Networking)** – Supplies 400G Ethernet and InfiniBand transceivers for high-performance computing (HPC) and AI clusters.
- Dell** – Integrates 400G modules into servers and networking solutions, focusing on system compatibility and robust performance for enterprise and data center clients.
- Amphenol Corporation** – Manufactures interconnect solutions, including connectors and cable assemblies essential for 400G deployments.
- Broadex Technologies** – Produces cost-effective 400G optical transceivers and components for various market segments.
- Lumentum Operations LLC** – Designs and manufactures high-speed optical transceivers for 400G...

Article Content

Optical Communications Industry Chain: Critical Infrastructure in the ...

In contrast, Taiwanese companies mainly focus on manufacturing segments such as optical transceiver assembly, subsystem integration, optical component production, and

400G Optical Module Market Outlook and Switch Technology

400G QSFP-DD SR8 More than 10 companies, including Arista Networks, DELL, EdgeCore, Mellanox, and FiberMall, presented 400G optical modules at OFC 2020. At present,

Optical Modules Market Size, Growth Trends & Forecast

The Optical Modules Market encompasses the design, manufacturing, and deployment of compact, high-performance devices that facilitate the transmission and reception of optical signals

Which manufacturers produce DSP chips for optical modules?

Conclusion Over the past few years, the optical transceiver DSP chip market has been dominated by a few major semiconductor vendors with deep technology portfolios, capable of

Optical Transceiver Market: Top 10 Manufacturers Ranked

Optical transceiver market leaders: the top 10 manufacturers powering 400G and 800G modules for hyperscale data centers and AI networking.

OEM 400g Optical Module Manufacturer & Manufacturers

KOCENT OPTEC LIMITED specializes in manufacturing high-quality OEM 400G optical modules tailored for B2B buyers worldwide. Our products are designed to meet the demands of modern

Global 400G Optical Module Supply, Demand and Key Producers,

This reports profiles key players in the global 400G Optical Module market based on the following parameters – company overview, production, value, price, gross margin, product portfolio,

Hengtong Optic-Electric releases 400G silicon photonic transceivers

Hengtong Optic-Electric subsidiary company Hengtong Rockley Technology has launched a 400G QSFP-DD DR4 transceiver based on silicon photonic circuits and a 400G QSFP-DD FR4

Global 400G Optical Module Market Size, Share & Industry Forecast

This transition is driven by technological breakthroughs in silicon photonics, which allow for mass production of compact, cost-effective modules capable of supporting multi-terabit data rates.

Listed companies producing 400G optical module chips

400G optical module chips are core components in modern data centers and AI computing networks, primarily used for high-speed optical interconnection between servers and

FiberMall Announces Volume Shipments of 400G/800G AI Optical

SHENZHEN, China, Jan. 09, 2026 (GLOBE NEWSWIRE) -- FiberMall, a provider of optical networking solutions, today announced that the company has initiated mass production and volume shipments

Global 400G Optical Module Market 2024 by Manufacturers, Regions,

Company Analysis: Report covers individual 400G Optical Module manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market

How 400G Optical Modules Are Shaping Next-Gen Networks

Discover key factors driving the rapid adoption of 400G optical transceivers, including AI, 5G, coherent optics, and market trends shaping next-gen network infrastructure.

Global 400G Optical Module Market Insights

When building next-generation optical network infrastructure, global operators and cloud service giants will deploy 400G optical modules at scale to support data center interconnects (DCI),

Global Optical Transceiver Market Strategic Audit 2026

Companies sitting on 400G and traditional telecom module inventory are already experiencing obsolescence risk, where products held longer than twelve months become financially

Which companies manufacture the most reliable 400G QSFP-DD optical modules?

Several leading companies in the telecommunications and networking industry manufacture highly reliable 400G QSFP-DD optical modules. While the field is competitive and new

Active Optical Module Market Research Report 2034

Active Optical Module market valued at \$10.7 billion in 2025, projected to reach \$35.6 billion by 2034 at 14.2% CAGR, driven by data center expansion and 5G deployment.

Optical Module PCB Board Market: Drivers & 6.6% CAGR Impact?

The Optical Module PCB Board market is projected for 6.6% CAGR growth by 2025, driven by evolving tech applications. Access specific market values and company insights.

Optics Transceiver Module Market 2025

Which key companies operate in Global Optics Transceiver Module Market? -> Key players include TDK, Hamamatsu Photonics, Cisco, HP, Juniper, Huawei,

AI Computing Power Ignites "Gold Material" Indium Phosphide: Prices ...

Mature CW chips, already in mass production, can directly match downstream optical module demand. Key players in this sector include substrate producers Yunnan Germanium, Youyan New Materials,

400G Optical Transceivers Market Size [2026-2035]

The 400G Optical Transceivers Market is reshaping high-speed networking by enabling denser, more energy-efficient architectures across cloud and telecom ecosystems. Network

Global 400G Optical Module Supply, Demand and Key Producers,

The global 400G Optical Module market size is expected to reach \$ million by 2030, rising at a market growth of % CAGR during the forecast period (2024-2030).

Top 10 Optical module manufacturers in the World 2025

Are you curious about which optical module manufacturers stand out in today's competitive market? Understanding the top factories is crucial for making informed decisions. By knowing the best

GIGALIGHT Empowers Overseas Data Centers with Bulk Deployment of 400G ...

The mass production of SiPh optical modules is primarily attributed to our proprietary and customized COP TM (Chip on Plane) process platform. This single platform enables the planar form

Optical Transceiver Market Size & YoY Growth Rate, 2026-2033

The optical transceiver market is shifting rapidly toward ultra-high-speed modules such as 100G, 400G, and 800G to address the ever-increasing demand for data throughput in cloud

Which companies manufacture the most reliable 400G QSFP-DD

These companies invest heavily in research and development to produce cutting-edge optical components and modules that meet stringent industry standards and offer exceptional

10 companies in the optical transceiver industry chain 2024

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

Contact Us

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