

There are numerous companies producing 400G optical modules



Article 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 es...

Article Content

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400G and 800G Optical Modules: Advancements and Comparison

Explore 400G and 800G optical modules with EML, VCSEL, and Silicon Photonics for data centers.

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Top 10 Optical Transceiver Manufacturers in the World (2026)

Sourcing optics for your data center? Discover the top 10 optical transceiver manufacturers in 2026. Compare global giants and

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What is the difference between 100G, 400G and 800G optical modules ...

In summary, while 100G optical modules are widely deployed in current networks, 400G modules offer significantly

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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

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400G Optical Module Market Report – Research, Industry Analysis

This report profiles key players in the global 400G Optical Module market based on the following parameters -

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Listed companies producing 400G optical module chips

400G optical module chips are core components in modern data centers and AI computing networks, primarily used

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400G Optical Module

This report aims to provide a comprehensive presentation of the global market for 400G Optical Module, focusing on

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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 %

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Key Differences Of 100G, 400G, And 800G Explained

Its core function is to convert electrical signals into optical signals at the transmitting end and

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Global 400G Optical Module Market Insights

When building next-generation optical network infrastructure, global operators and cloud service giants will deploy

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Ultimate Guide to QSFP-DD 400G Optical Modules:

The QSFP-DD 400G optical module has become a key element in the fast-changing field of

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Optical Transceiver Market: Top 10 Manufacturers Ranked

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

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400G Optical Module Market Outlook and Switch

400G QSFP-DD SR8 More than 10 companies, including Arista Networks, DELL, EdgeCore,

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400G Optical Modules 2026 Guide: DR4 vs. FR4 vs. LR8 Lab

Our CCIE/HCIE team shares lab-tested benchmarks for DR4, FR4, and LR8, focusing on power efficiency, latency,

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Common 400G QSFP-DD Transceiver Types in the Market

400G QSFP-DD optical module is a high-speed hot-pluggable transceiver. Here it will help you learn what 400G QSFP

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400G optical transceivers: detailed introduction |FiberMall

Compared with 10G, 25G, 40G, 100G optical modules, the arrival of 400G optical modules will bring optical

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400G Optical Module Market Research Report 2033

According to our latest research, the global 400G Optical Module market size reached USD 2.87 billion in 2024.

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Exploring the Competitive Landscape of the 400G Optical Module Market

As demand for bandwidth continues to accelerate, evaluating the top companies in the 400G Optical Module market is

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Comprehensive understanding of 400G optical modules

In the past two years, the demand for 400G optical modules in high-performance data centers, intelligent computing centers, super

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Europe 400G Optical Module Market 2024

Europe 400G Optical Module Market size was valued at US\$ 567.2 million in 2024 and is projected to reach US\$ 1.28 billion by

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Analyzing the Competitive Landscape of the 400G Optical Module

Access structured analyses on key companies in the 400G Optical Module market to inform strategic decisions as you

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Optical Module Evolution: From 400G to 3.2T

Optical Module Evolution: From 400G to 3.2T Driven by the explosive growth of artificial intelligence (AI), cloud

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White Paper HiSilicon Optoelectronics 400G All

400G CFP2 is a pluggable optical module and provides optimal performance, incorporating multiple innovative technologies to

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400G ZR & ZR+

400G ZR and ZR+ coherent pluggable optics have become new solutions for high-density networks with data rates

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Which companies manufacture the most reliable 400G QSFP-DD

These companies invest heavily in research and development to produce cutting-edge optical components and

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

As networks continue to evolve to support emerging technologies such as 5G connectivity, IoT, and artificial

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