

Domestic 800G optical module companies

Article Overview

U.S.-based companies capable of producing 800G optical modules include Coherent, Lumentum, and Broadcom, all of which supply high-speed modules for AI, data center, and telecom applications.

Key Domestic Manufacturers

Coherent – A leading U.S. supplier of 800G optical modules, Coherent focuses on coherent pluggable modules and has been actively shipping L-band SFP-DD 800G modules for AI-driven data center applications, with strong growth expected in 2025 . Lumentum – Another major U.S. manufacturer, Lumentum provides critical optical components and 800G modules for both datacom and telecom markets. They are recognized for their high-volume production capabilities and advanced optical technologies . Broadcom – Broadcom supplies essential optical components, including DSPs and drivers used in 800G modules. While primarily a component supplier, their technology underpins many domestic 800G module assemblies .

Technology and Production Notes

800G optical modules can be based on silicon photonics or traditional EML (Electro-Absorption Modulated Laser) designs. Silicon photonics modules typically use fewer chips (two silicon photonics chips with four CW light sources) compared to traditional 8-EML chip designs, enabling more scalable and cost-effective production . These U.S. companies are positioned to meet the growing demand driven by AI infrastructure, hyperscale cloud operators, and high-performance computing, with production scaling to support both 800G Ethernet and emerging 1.6T modules

Article Content

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China 800G Optical Module Manufacturers, Suppliers, Factory ...

HTF is one of the most professional 800g optical module manufacturers and suppliers in China, providing high quality products for

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Which publicly traded companies manufacture optical chips for optical ...

Chinese Optical Module & Integrated Chip Companies (Fast-Growing Segment) This category includes companies that

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800G Optical Communication Module Market

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

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800G Optical Transceiver Factory: The Engine Driving AI and Data

Explore how the modern 800G optical transceiver factory is rapidly accelerating high-density data centers, AI/ML

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Powering the Next Data Race: How 800G & 1.6T Optical Modules Are ...

In summary, the surging demand for 800G and 1.6T optical modules—driven by AI computing clusters, hyperscale

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Optical Module MCUs Become Critical as AI Data Centers Drive

Industry observers note that the domestic optical module MCU market has largely completed localization, with

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Everything You Need to Know About 800G/1.6T Optical Transceiver

In contrast, the 800G tends to use 5nm DSP and traditional hybrid packaging. Additionally, the current power

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Global 800G Optical Module Market 2024 by Manufacturers, Regions,

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

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Unleashing the Amazing Power of 800G Optical Transceivers: The

Within this transformative milieu, multi-mode modules claim a dominant stance, surpassing single-mode modules in

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Source Photonics to Expand Optical Chip and Module Production

The expansion will focus on increasing output of high-end optical chips and high-speed optical modules, including

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Global 800G Optical Module Market Size, Share, Growth Analysis ...

800G Optical Module Market size was valued at 1.5 billion USD in 2025 & is estimated to reach 5.0 billion USD by

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Global 800G QSFP-DD Optical Module Market Analysis, Share

As of 2024, the 800G QSFP-DD Optical Module Market size was USD 1.2 billion, with expectations to escalate to USD 4.5 billion by

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Optical Module MCUs Become Critical as AI Data Centers Drive

MCU chips for optical modules emerge as a critical semiconductor segment as AI data center buildout drives

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Global 800G Optical Module Supply, Demand and Key Producers,

This reports profiles key players in the global 800G Optical Module market based on the following parameters – company overview,

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Optical Transceiver Manufacturer | 1G-800G Optics | Wolon

Source premium optical transceivers (1G to 800G) direct from our Wuhan factories. 100% brand compatible, OEM custom options,

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800G Optical Modules Explained: Standards, Types & Use Cases

Discover everything about 800G optical modules—standards, packaging, types & applications. Learn how they power

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Hyper Photonix Unveils General Availability of 800G DR8 Optical ...

The company will announce additional 800G and 1.6T products later this year, including the highly anticipated linear

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Global 800G Optical Module Market Research Report 2025 (Status

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

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Global 800G Optical Module Supply, Demand and Key Producers,

The global 800G Optical Module market size is expected to reach \$ million by 2031, rising at a market growth 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

Dec 23, 2025

800GbE Optics Shipments to Grow 60% in 2025

The datacom optical component market will grow 60%+ to reach over \$16B in revenue during 2025, based primarily

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DCI Optical Modules | Delivering high bandwidth over distance

Explore DCI Modules Marvell offers a portfolio of DCI modules designed to efficiently transmit data over regional fiber networks.

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Top 10 Optical Module Manufacturers" Annual Reports ...

The only domestic company simultaneously possessing mass production capabilities for a full range of high-speed

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Commercial Progress and Future Trends of 800G Optical Transceivers

Explore the evolution and commercialization of 800G optical transceivers driven by the digital economy and emerging technologies

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Global AI Compute Investment Spurs Surge in Optical Module Market

Global AI compute investment drives optical module market to \$23.8B in 2025, with forced upgrades to 800G/1.6T

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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

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Everything You Need to Know About 800G/1.6T Optical Transceiver

Technical Architecture of 800G/1.6T Modules Key Components: DSP, LPO Technology, and Co-Package Design The architecture of

Jun 26, 2026

800G Optical Module Market Report – Research, Industry Analysis

Global 800G Optical Module Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032 has

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Top Optical Transceiver Factory – 800G & Fiber Optic Modules

Discover factory-direct 800G optical transceiver and compare top optical transceiver manufacturers. Learn key specs, quality

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The Future of 800G Optical Modules: Market Forecast and Key

Conclusion The 800G optical module market is poised for rapid growth, driven by advancements in AI, cloud

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Pluggables, Power, and Geopolitics: Mapping the 800G and 1.6T

Pluggables, Power, and Geopolitics: Mapping the 800G and 1.6T Optical Transceiver Battle How AI Demand Is

Dec 08, 2025

Ranking of domestic photonic module chip companies

The domestic optical module and optical communication chip industry in China is currently characterized by "restricted

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800/400/200/100/40G Fiber Optical Modules

FS offers a growing portfolio of 800/400/200/100/40G optical transceiver modules and cables. The super-high density and backwards

Aug 26, 2025

800G Optical Module

This report aims to provide a comprehensive presentation of the global market for 800G Optical Module, focusing on

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China's Top Ten Optical Module Chips | Weyland

Top 10 Optical Module and Optical Chip Companies in China The high-speed optical communication ecosystem is

Jul 23, 2026

Which domestic optical module and optical chip manufacturer stands

Strength: Top domestic optical module brand, offering 100G, 400G, and 800G modules. Technical Development: Full

Sep 03, 2025

Eoptolink

Eoptolink manufactures optical components with the speed range 0.1Mb to 800Gb that are used in Optical Modules and Assemblies,

Sep 25, 2025

800G Optical Module Market Research Report 2034

Simultaneously, China's domestic push to develop indigenous 800G optical module capabilities has accelerated, with companies

Nov 14, 2025

800G Optical Transceiver Modules | Broadex Technologies

800G optical transceivers are a new generation of high-speed optical transceivers. With a transmission rate as high as 800Gbps,

Nov 04, 2025

Optical Module Market Analysis and Forecast in 2026

AI computing power has driven explosive growth in the optical module market, with 800G and 1.6T technologies

Apr 08, 2026

10 companies in the optical transceiver industry chain 2024

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

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