

100g Optical Module Company



AI Overview

Topstar, FS, Ruijie, and other global vendors are key manufacturers of 100G optical modules. Leading Manufacturers

Topstar Technology: Offers a wide range of optical modules including 100G QSFP28, 100G CFP/CFP2/CFP4, and 10G SFP. They provide OEM/ODM services and focus on high-end network solutions with a dedicated R&D team and dust-free manufacturing facilities.

FS (Fiberstore): Provides a comprehensive portfolio of 100G transceivers, including QSFP28 SR4, LR4, PSM4, CWDM4, ER4, ZR4, and dual-rate modules. FS modules support both single-mode and multimode fibers and are suitable for data center, enterprise, and telecom applications.

Ruijie Networks: Supplies 100G optical modules for data center interconnects, supporting mainstream standards like 100G PSM4, CWDM4, and Lambda MSA. They focus on IEEE and MSA-compliant modules for high-speed Ethernet and optical transport networks.

Other notable manufacturers: The global market includes vendors from North America, Europe, and Asia-Pacific, with QSFP28 being the dominant form factor. CFP4, CFP2, and CFP modules are also widely produced, with applications in telecommunications, cloud computing, and data centers.

Module Types and Standards

100G optical modules are available in multiple form factors and standards to meet different transmission distances and network requirements:

- QSFP28:** High-density, low-power modules for 100G Ethernet, including SR4, LR4, PSM4, and CWDM4.
- CFP/CFP2/CFP4:** Larger form factors for long-haul and metro networks.

Standards: IEEE 802.3ba, OTU4, and MSA-defined standards ensure interoperability across vendors.

Market Insights

The 100G optical module market is growing rapidly, driven by cloud computing, 5G networks, and data center expansion. QSFP28 dominates with around 50% market share, followed by CFP4 and CFP2. Asia-Pacific is the fastest-growing region, reflecting strong demand for high-speed network infrastructure. These manufacturers provide modules suitable for short-range, long...

Article Content

Coherent DSP | Critical enablers for efficient

Coherent DSPs for pluggable modules The Marvell coherent DSP portfolio, including Orion™, Canopus™ and Deneb™ platforms, empower the optical module

PAM4 Optical DSPs | Enabling high-bandwidth optical

The Marvell® PAM4 optical DSP portfolio addresses the critical the need for high-bandwidth optical interconnects to power AI infrastructure. Marvell leads the

100G Optical Module Solution for Data Center

Single-wavelength 100G innovations enable migration to higher data rates, and optimise utilisation across single-mode fibre links. Ready to get started? Have a question about purchasing a solution

Lumentum

Lumentum is a global leader in optical and photonic technologies that power the networks and infrastructure behind AI, cloud computing, and next-generation communications. Built on

Optical Transceivers | Coherent

Optical Transceivers Get the pluggable module performance you need from the manufacturer of choice for major networking equipment vendors worldwide.

Optical Transceiver Market Size, Share, Trends

The global optical transceiver market size is projected to grow from \$17.15 billion in 2026 to \$46.12 billion by 2034, exhibiting a CAGR of 17.00%

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.

Worldwide standard for optical metrology

We offer optical measurement and manufacturing systems for quality control and assembly of lenses, lens systems, camera modules.

Nvidia's \$4B Photonics Venture: What You Need to Know

Nvidia's \$4B investment in optical component suppliers Lumentum and Coherent heralds an era of optical interconnects inside AI data centers.

Optical Transceiver Market Size, Share, Industry Report

With strong in-house capabilities in optical chip design and packaging, the company delivers 100G to 800G modules and coherent solutions tailored for 5G transport

LPO MSA Announces Release of Specification for Linear Pluggable Optical ...

About the LPO MSA The LPO MSA has 50 industry-leading networking, semiconductor, and fiber optics companies and develops specifications for networking equipment and optical

Networking Solutions for the Era of AI | NVIDIA

Networking Purpose-Built for the Era of AI Factories AI factories now span tens of thousands of GPUs—and soon, millions—operating as a single distributed

Global 100G Optical Module Market 2025 by Manufacturers, Regions,

This report is a detailed and comprehensive analysis for global 100G Optical Module market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type

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Silicon photonics and co-packaged optics at the heart of

While linear-drive pluggable modules remain competitive, CPO is expected to offer unmatched customization and scalability, with large-scale

Global 100G Optical Module Market 2024 by Manufacturers, Regions,

Company Analysis: Report covers individual 100G Optical Module manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market

Products

Suitable products? Explore our product groups by drilling down and setting filters.

100GBASE QSFP-100G Modules Data Sheet

The Cisco QSFP-100G-SR-S Module is a pluggable optical transceiver with a duplex LC connector interface supporting link lengths of 70

Arista Optics Modules and Cables

Overview Arista's Optical Modules and Cable portfolio offer a wide variety of high-density and low-power 800G (dual 400G), 400G, 200G, 100G, 50G, 40G, 25G, 10G, 1G, and 100M Ethernet connectivity

Leading Global Manufacturer of SFP transceiver, Fiber

Inphitech was established in year 2011 as an international optical transceiver module manufacturer. We have comprehensive 1.25G, 10G, 25G, 40G, 100G,

AOC, DAC, Fiber Optic Transceivers | One-Stop Shop

Online shopping. w/24h-delivery, 7Days & Refund Guarantee. CE, RoHS and ISO9001 Certified. SFP+ Cables, QSFP+ Cables, MiniSAS Cables, XFP Cables,

High-speed 10G/100G optical module supplier, fiber module

Wuhan FiberHTT is a professional optical module factory, a leading optical module supplier and a national high-tech enterprise. Focus on the development and production of high-speed 10 Gigabit

100GBASE QSFP-100G Modules Data Sheet

QSFP-100G Optical modules Features and benefits of Cisco QSFP modules Hot-swappable input/output device that plugs into a 100G Gigabit

Wholesale Optical Transceivers Module | 100G

Shop high-speed optical transceivers from Unitekfiber. We offer 100% compatible 40G, 100G, and 400G QSFP-DD modules for data centers. Expert technical

100G QSFP28 Transceiver Modules | Optical

FS offers a growing portfolio of 100G QSFP28 modules. The 100G QSFP28 module solution provides high-performance 100GbE connectivity for data centres,

Contact Us

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