

Optical Module Shipment Data



Overview

Provides quarterly corporate revenue market share by end-market segment and quarterly shipment numbers for select optical components. No market share for detailed unit shipments is provided; unit shipment data. In 2024, deployments of high-speed optical transceivers (400G and above) surged by 250% year-over-year, with a further increase of over 50% anticipated for 2025. 5 million optical transceivers were deployed in 2024, a figure expected to rise to 34.7% during the forecast period

MARKET INSIGHTS The global Optical Module Package Market was valued at 8942 million in 2024 and is projected to reach US\$ 20220 million. **BOSTON** (January 7, 2025) – Total shipments of leading-edge datacom optical modules are projected to tally over \$9 billion for 2024, according to the latest Optical Components Report from research firm Signal AI. Unit shipments of 400G and 800G modules have grown nearly fourfold over the past 12. Volza's Big Data technology scans over 96,315 Optical Module export import data, 6,483 buyers & 7,063 suppliers records to identify new buyers, profitable markets, reliable suppliers, and promising products. 4426391 EOLO-138HG-G2-AC OPTICAL MODULE,800G,OSFP. 4226989 T-DP4CNT-NWD OPTICAL MODULE. MCU chips for optical modules emerge as a critical semiconductor segment as AI data center buildout drives 800G/1.

Article Content

Optical Module Chip Market 2025

Optical module chips are semiconductor devices that enable high-speed data transmission in fiber optic networks. These components form the core of optical transceivers, converting electrical signals to

What Is an Optical Module PCB

What Is an Optical Module PCB Optical modules are essential components for high-speed optical communication systems and are widely deployed in data center switches, server clusters, and ...

AI Data Center Optical Component Shortage: Nvidia's \$4B Laser

AI data center optical component shortage is pushing 800G transceiver production 40-60% below demand through 2027, McKinsey warns. Nvidia locked up EML laser supply with a \$4

Ubiquiti 10G Single-Mode Optical Module UACC-OM-SM-10G-D-2

Ubiquiti 10G Single-Mode Optical Module SFP+ transceiver that supports 10G connections up to 10 km using single-mode fiber with a duplex LC UPC connector. Max data rate: 10 Gbps Compatible with

800G Optical Modules Drive Market Recovery in 2025

800G modules drive optical market recovery in Q2 2025, with initial 1.6T shipments. This article highlights key trends in data center optics and AI infrastructure investment.

Optical Transceiver Market Size, Share, Industry Report – 2035

Optical Transceiver Market Size The global optical transceiver market was valued at USD 13.4 billion in 2025. The market is expected to grow from USD 15.4 billion in 2026 to USD 28.6 billion in 2031 &

AI Data Centers Ignite a Laser Shortage Wave; Nvidia's Strategic

TrendForce's recent research indicates that high-speed optical interconnects are now central to performance and scalability, especially as AI data centers grow into large clusters. The

AI optical transceiver market up 57% YoY | Electronics Weekly

AI optical transceiver market up 57% YoY The global market for AI-focused optical transceivers grew 57% last year from \$16.5 billion in 2025 to \$26 billion in 2026, says TrendForce.

A Comprehensive Look at the QSFP28-100G-ZR4 Optical Module

The QSFP28-100G-ZR4 optical transceiver is a high-performance module that delivers reliable data transfer across extended distances, with exceptional signal quality and reliability.

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 800G/1.6T demand, with domestic players GigaDevice and Nations

Opinion: optical transceivers at the chokepoint of AI

As AI infrastructure accelerates at an unprecedented pace, optical connectivity has become one of the defining enablers and constraints of next

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 Reshaping Market Share, Supply Chains, and Valuations.

Cisco DP04QSDD-HE0 Compatible 100-400GbE DCO

The coherent optical module adopts coherent detection technology, which can accurately measure the phase and amplitude of the received optical signals, thus

800GbE optics shipments to grow 60% in 2025 – report

Datacentre interconnect applications continue to consume record numbers of pluggable coherent modules, says the report. 400ZR and ZR+ accounted for the bulk of WDM bandwidth

Matrix Optical Modules: Boost AI Data Centers

Together, combined with automated optical fiber management systems, they create highly adaptable matrix optical modules in ai data centers. Instrumentation: Ensuring Reliability In

AI Drives Doubling of 800G Optical Transceiver Shipments in 2025

Furthermore, driven by escalating demands from AI technology, shipments of 800G optical transceivers are projected to grow by 100% year-over-year in 2025. The market will also see the initial shipments

NVIDIA Optical Interconnect 2026, \$500M Ayar Labs Round

Optical Interconnect Projects, NVIDIA \$4 B Investment, and 1.6 T Module Adoption The industry has shifted from identifying the optical interconnect bottleneck before 2025 to pursuing aggressive, large

Optical Module Package Market 2025

Telecommunication providers are deploying advanced optical modules to handle increased data transmission speeds and bandwidth requirements. SFP+ and QSFP28 modules, capable of

Optical Module Export Import Data, Buyers & Suppliers List

We update World Optical module export import data, buyers & suppliers directory every month, basis of import export data received from most of the countries, but time may vary from country to country.

Over 20 Million 400G & 800G Datacom Optical Module Shipments

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The Evolution of Optical Modules: 400G → 800G → 1.6T – A Strategic ...

Discover the evolution from 400G to 800G and 1.6T optical modules. Learn key technologies, CPO vs pluggable, and upgrade strategies for future-ready data centers.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.dknconsulting.co.za>

Email: info@dknconsulting.co.za

Phone: +31 6 2948 7351

Address: Herengracht 123, 1015 BT Amsterdam, Netherlands

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