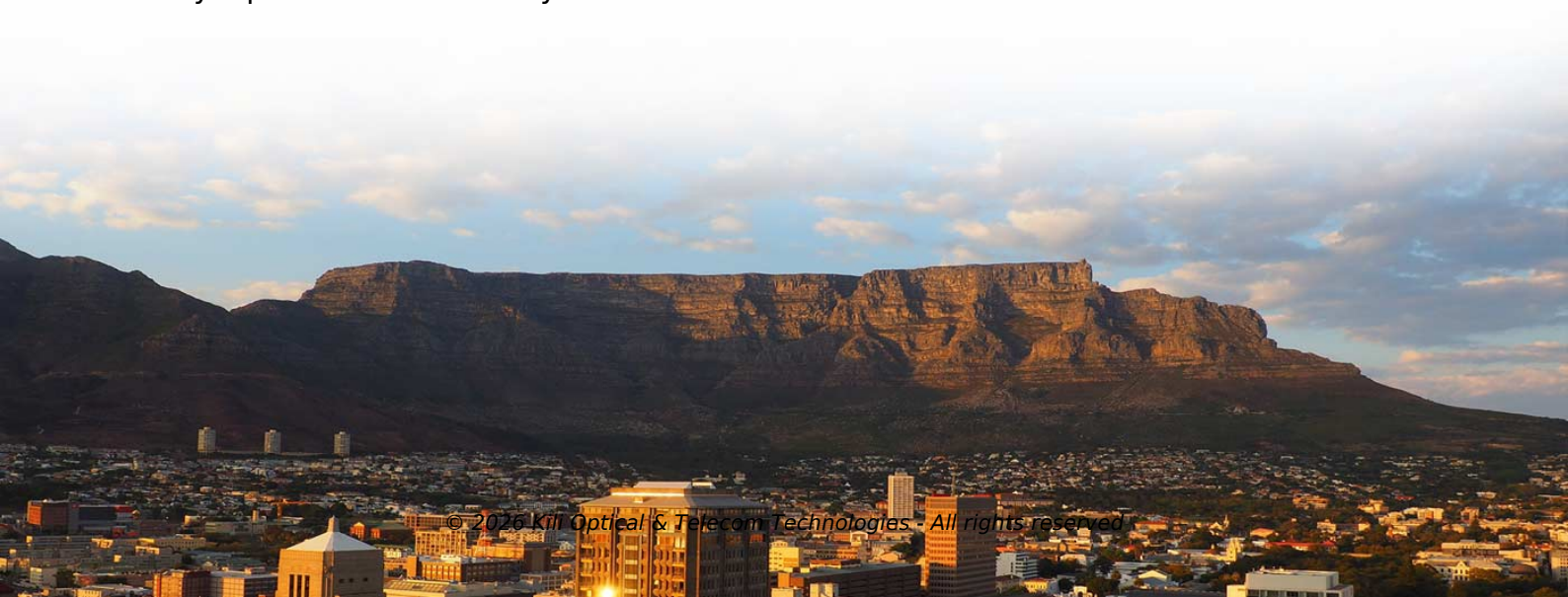


Optical Module Demand in 2021



Overview

In 2021, the shipment of Ethernet optical modules is expected to reach 54 million, of which the demand for 100G optical modules exceeds 15 million, a year-on-year increase of 26%; the demand for 200G/400G optical modules will reach 2. With global R&D projected to exceed \$2. With the popularity of 5G, cloud computing, Internet of Things, artificial intelligence and other emerging. Optical Module and DCI by Application (Communication Service Provider, Internet Content and Carrier Neutral Provider, Government/Research and Education, Other), by Types (Optical Transport Network, Data Center Core Network, WAN), by North America (United States, Canada, Mexico), by South America. As several major cloud giants in North America begin to switch to 200G/400G network architecture deployment, the demand for optical modules for data centers throughout the year will still maintain steady growth. 7 billion in 2021, according to Cignal AI's new Optical Components Report. The market researcher says this growth outstripped component revenue growth from telecom, consumer. This report provides a detailed market demand forecast through 2026 for optical components and modules used in Ethernet, Fibre Channel, CWDM/DWDM, wireless infrastructure, FTTx, and high-performance computing (HPC) applications. Key inputs include an analysis of the business and infrastructure.



Article Content

CPO Optical Transmission inevitable is changing data transmission ...

Due to the supply shortage in AI data center construction, there's also a shortage of CPO optical transmission modules. With few suppliers to begin with, market demand is booming and is

OSFP Packaged Optical Module Dynamics and

OSFP Packaged Optical Module Concentration & Characteristics The OSFP (Open Systems Form Factor Pluggable) packaged optical module market

Data Center Optical Module Market

As several major cloud giants in North America begin to switch to 200G/400G network architecture deployment, the demand for optical modules for

Google's High-Speed Interconnect Architecture to Push

As a result, AI clusters are designed from the outset to deploy sufficient 800G/1.6T optical modules. Based on TrendForce's projection that

Growth Strategies in 25G Optical Module Market: 2026-2034 Outlook

While macroeconomic factors might influence short-term fluctuations, the underlying demand for high-bandwidth solutions ensures the sustained growth of the 25G optical module market

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.

LightCounting :: Scale-up networks in AI Clusters is a

A surge in AI development created a new wave in demand for optical connectivity in 2023-2025 and it will sustain the market's growth through 2030. The Figure

Optical Module Industry Statistics 2026

In 2021, the fiber optic transceiver module segment accounted for the largest revenue share (58%) of the optical module market, driven by high-speed data transmission requirements in

Strategic Trends in High Speed Optical Modules Market 2026-2034

High Speed Optical Modules Company Market Share The high-speed optical modules market is experiencing an unprecedented surge, driven by the insatiable demand for bandwidth

LightCounting :: October 2021 Market Forecast

This report provides a detailed market demand forecast through 2026 for optical components and modules used in Ethernet, Fibre Channel, CWDM/DWDM,

Optical Transceiver Market Size, Share, Industry Report

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

Optical transceiver market growing at 14% CAGR to \$20.9bn in 2026

Power consumption is another challenge. The largest contributor is the electrical interface between the switch ASIC and optical module, particularly for QSFP-DD and OSFP. As a result of discrete

Latest Ranking of Top 10 Global Optical Module Suppliers

The latest data shows that Xutron Technology and II-VI acquired Finisar, the leading optical module company, and tied for the first place in optical module market share in 2021, which is

Optical Transceiver Market Size, Share, Trends | Forecast

For instance, In 2021, Marvell and OE Solutions collaborated to offer the 100G coherent QSFP-DD optical transceiver module for 5G backhaul and metro-access applications. This

Over 20 Million 400G & 800G Datacom Optical Module

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 Communication Industry Trends 2026: AI, 800G/1.6T Optical ...

Explore optical communication industry trends in 2026, driven by AI infrastructure, 800G and 1.6T optical modules, silicon photonics, and next-generation data center connectivity solutions.

Innovation Trends in OSFP Optical Module: Market

The OSFP optical module market is booming, driven by high-bandwidth demands in data centers and HPC. Explore market size, CAGR, key players (II-VI, Cisco,

QSFP Optical Module Planning for the Future: Key Trends 2026-2034

QSFP Optical Module Market Report: A Deep Dive into the Next-Generation Connectivity Ecosystem (2019-2033) This comprehensive report provides an in-depth analysis of the global QSFP

SFP+ Optical Transceiver Modules (10G-SR/LR)

Amphenol SFP Optical Modules • SFP+ Optical Modules from Cables on Demand are Now Available in both Short Range (SR) Multimode and Long Range (LR)

Global Data Center Optical Module Market 2021: By Key Players,

The increase in internet data traffic and rising demand for smartphones and other smart gadgets are driving the growth of cloud-based services, which in turn, is increasing opportunities for the global

Over 800G optical transceiver shipments to soar 2.6× by 2026

High-speed optical interconnects are now central to performance and scalability, especially as AI data centers grow into large clusters, according to TrendForce. The report predicts

Understanding Optics Module Trends and Growth Dynamics

The shift towards higher bandwidth requirements fuels demand for both Single Mode and Multi Mode Optical Modules across OEM and Aftermarket applications, supporting the 12% CAGR.

10 companies in the optical transceiver industry chain 2024

The rapid development of AIGC has promoted the demand for 800G optical modules, and the entire industrial chain involving optical components,

10G SFP+ Dual Fiber Optical Module Market: \$15.5B by 2025, 13.5

The 10G SFP+ Dual Fiber Optical Module Market is poised for substantial expansion, with a projected valuation of \$15.5 billion in 2025. The market is anticipated to exhibit a robust Compound

Optical Module Market Size Analysis And Forecast to 2021

Key demand drivers include the relentless expansion of hyperscale data centers, the accelerated deployment of 5G networks, the proliferation of Artificial Intelligence (AI) and Machine

LightCounting :: The TOP10 Transceiver Suppliers for

Demand for optics picked up in 2020-2021 and shortages across the supply chain helped to stabilize prices (similar to the situation in 2016-2017 and 2023-2024).

Optical component revenues hit US\$4.7B in 2021 – report

Shipments of 400GbE datacom modules doubled and reached record levels in 2021, as large cloud operators and select enterprise customers

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

High-speed PD demand surges; Taiwanese epitaxy vendors benefit In addition to laser transmitters, optical modules need high-speed photodiodes

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