

Finisar Silicon Photonics Module



Overview

Finisar is bringing to market its first silicon photonics-based optical module. The 400GBASE-DR4 is an IEEE 500m-reach 400-gigabit parallel fibre standard based on four fibres, each carrying a 100-gigabit 4-level pulse amplitude modulation (PAM-4) signal. The company also showed transceiver technology that simplifies the setting up of dense wavelength-division multiplexing (DWDM) links. Its optical modules are widely deployed in data centers, metro networks, long-haul transmission, and high-speed interconnects. The chips used in Finisar modules include laser chips. Get the pluggable module performance you need from the manufacturer of choice for major networking equipment vendors worldwide. Optimize your network by selecting from the most complete range of transceivers anywhere – for ETHERNET, HBA, storage area network (SAN), datacenters, campus LANs, and. Silicon photonics-based Mach-Zehnder and ring modulators can also be used. 6T Technologies, Scene-Based Selection + Finisar Original Solutions in One Stop In 2026, driven by AI computing power, optical modules have entered a critical era of rate iteration, technological restructuring, and scenario segmentation. 800G has become the mainstream. FTL410QE4C QSFP+ optical transceivers are designed for use in 40 Gigabit per second links over multimode fiber. They are compliant with the QSFP+ MSA and IEEE 802. 3ba 40GBASE-SR4 and breakout to four 10GBASE-SR.

Article Content

Qsfp+Modules Market Size, Trends, 2026-2033 Forecast, and

In April 2025, II-VI Incorporated (Finisar) completed a strategic acquisition of a leading silicon photonics startup, enhancing its integrated optical engine portfolio.

AI drives ramp-up in datacom optics – report

Total shipments of leading-edge datacom optical modules are projected to tally over US\$9 billion for 2024, according to the latest Optical

Silicon Photonics 2021 Market & Technology Report by Yole

We can imagine new models furthermore including healthcare functions thanks to the module based on the silicon photonics technology from Rockley Photonics. We have estimated the price of the silicon

Samsung Foundry Reportedly Wins Optical Module Order,

Samsung Foundry is reportedly stepping up its silicon photonics efforts. According to ZDNet, the company said in its 1Q26 earnings release that its foundry has secured orders from a

Finisar WSS

Enabled by Finisar Liquid Crystal on Silicon (LCoS) technology, Finisar WSS products support Flexgrid® technology, which provides dynamic control of the

Finisar demonstrates its first silicon photonics transceiver

Finisar unveiled its first silicon photonics-based product, a 400-gigabit QSFP-DD DR4 module, at the recent ECOC event. The company also showed transceiver technology that simplifies the setting up

Silicon Photonics and Co-Packaged Optics at the Heart

Yole Group unveils its latest photonic market and technology analyses, Silicon Photonics 2025 and Co-Packaged Optics for Data Centers

Carrier-Grade Sfp Module Manufacturers — A Telco Procurement

The acquisition of Finisar brought together laser, packaging and transceiver expertise — enabling a vertically integrated photonics supplier for high-performance optical modules. Scale and R& D in

Which chip manufacturer does Finisar use for its optical modules?

Finisar has increasingly integrated silicon photonics technology in its optical modules. SiPh chips integrate lasers, modulators, and detectors on a single silicon substrate, improving module

Deep Dive

Optical transceivers & modules COHR, LITE, AAOI, FN (assembler) Chinese Innolight + Eoptolink hold ~60% of NVIDIA's 800G wallet but face 1260H risk. Silicon photonics / optical DSPs

Powering the Next Data Race: How 800G & 1.6T

Meanwhile, Silicon Photonics (SiPh) and External Modulated Laser (EML) technologies are evolving in parallel. Intel has already shipped millions of Silicon

Optical Transceivers | Coherent

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

Finisar QSFP Optical Transceiver | Teardown Report

FTL410QE4C QSFP+ optical transceivers are designed for use in 40 Gigabit per second links over multimode fiber.

Charting the Path Toward 1.6T and 3.2T Optical

As optical modules proliferate in data centers, the benefits of silicon photonics will be amplified, making high-speed optics more widely available in the market.

Top 10 Optical Transceiver Manufacturers in the World (2026)

Headquarters: California, USA (intel) Best For: 100G/400G Silicon Photonics Modules
Overview: Intel revolutionized the market by integrating optical lasers directly onto silicon wafers (Silicon

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

Nvidia's silicon photonics and CPO development plans have advanced more slowly than anticipated, leading to ongoing dependence on pluggable modules for GPU cluster expansions. To

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

Nvidia's silicon photonics and CPO development plans have advanced more slowly than anticipated, leading to ongoing dependence on pluggable modules for GPU cluster expansions. To ensure

Mini CWDM Module Market Size, Trends, 2026-2033 Forecast

Silicon photonics and indium phosphide platforms are enabling the integration of multiple wavelengths and functionalities on a single chip, reducing size, power consumption, and

Nvidia to invest \$4B into photonics companies

Nvidia is investing a combined \$4 billion in Coherent and Lumentum, two photonics companies. Each company will receive \$2 billion each from the

Silicon photonics and co-packaged optics at the heart

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

Qsfp-dd Module Market Size, Trends, 2026-2033 Forecast, and

In June 2025, Sumitomo Electric expanded its manufacturing capacity for silicon photonics-based optical modules, supporting the rising demand for compact, high-performance

2026 Global Optical Module Selection Guide (Website Homepage)

We provide authorized solutions from Finisar, InnoLight, NewFoton, and other leading brands, supporting custom selection, compatibility testing, bulk pricing, and in-stock delivery.

2026 Plenary Session | OFC

The massive networking challenges are being addressed by optical innovations, including CPO, with micro-ring modulators, 3D-stacked silicon photonics engines, high-power lasers

Optical Active Device 2026-2034 Analysis: Trends, Competitor

Emerging Trends in Optical Active Device Market Silicon photonics: Integrating optical components onto silicon chips, leading to cost reductions and improved integration. Coherent optical

Finisar FTCD4533E2PCM | 400G DR4+ QSFP-DD

With an operating temperature range from 0 to 70°C, this module is an efficient and adaptable choice for data centers, enterprise networks, and service provider.

Contact Us

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

Website: <https://saastisfy.fr>

Email: sales@saastisfy.fr

Phone: +33 6 52 81 47 39

Address: 75 Rue de Rivoli, 75001 Paris, France

This document is for informational purposes only. Specifications subject to change without notice.

