

# Silicon Photonics Module Companies



## Overview

The major players in the silicon photonics market are Cisco Systems, Inc. (US), Intel Corporation (US), MACOM (US), GlobalFoundries Inc. (US), Lumentum Operations LLC (US), Marvell (US), Coherent Corporation (US), IBM (US), STMicroelectronics (US), Rockley Photonics . Mordor Intelligence expert advisors identify the Top 5 Silicon Photonics companies and the other top companies based on 2024 market position. Get access to the business profiles of top 24 Silicon Photonics companies, providing in-depth details on their company overview, key products and services. Analog Photonics specializes in developing photonic circuits and disruptive technologies, particularly in silicon photonics. Their focus on innovative LiDAR and optical communications solutions highlights their commitment to enhancing connectivity and autonomy across various markets. It is projected to grow at a CAGR of 26.80% during the forecast period of 2026-2035, reaching USD 6039. As per the analysis by Expert Market Research, the market is expected to be driven by the surge in. This list profiles 21 prominent photonics industry companies, ranging in size from small innovators to large corporations. They come from diverse localities, including the United States, Germany, and Denmark. 5D integrated onboard silicon photonics by data centers and rising demand for high bandwidth, high data transfer, and government initiative to move towards e-banking are driving the Silicon Photonics market growth. A fast strategic view before the full read.



## Article Content

Oct 17, 2025

Marvell Silicon Photonics Light Engine for AI

Marvell just showed off its next-generation silicon photonics light engine for future pluggable modules and co-packaged optics

Dec 11, 2025

GlobalFoundries acquires Singapore-based photonics

GlobalFoundries has acquired Advanced Micro Foundry (AMF), a Singapore-based silicon photonics specialist, in a move that significantly expands

Jan 09, 2026

Top 20 Silicon photonics companies

Luxtera specializes in Silicon CMOS Photonics. It is the first company to overcome the complex technical obstacles involved with integrating high-performance optics directly with silicon electronics

May 17, 2026

Voyant Photonics Has Silicon That Will "Make LiDAR as

Voyant Photonics Has Silicon That Will "Make LiDAR as Common as Cameras" At CES, All About Circuits interviewed Voyant Photonics" CEO to learn

Mar 30, 2026

STMicroelectronics enters high-volume production of its industry ...

STMicroelectronics (NYSE: STM), a global semiconductor leader serving customers across the spectrum of electronics applications, is now entering high-volume production for its state

Aug 16, 2025

The 1.6T Surge: Silicon Photonics and CPO Redefine AI Data Centers

Breaking the 1.6T Barrier: The Shift to Silicon Photonics and CPO The technical backbone of this 2026 surge is the 1.6T optical module, a breakthrough that doubles the bandwidth

Feb 14, 2026

Tower Semiconductor & Nvidia team up on 1.6T silicon

Tower Semiconductor and NVIDIA are teaming up to scale next-generation AI infrastructure with 1.6T optical modules for data centers. The

Apr 22, 2026

Top Silicon Photonics companies | VentureRadar

Top companies for Silicon Photonics at VentureRadar with Innovation Scores, Core Health Signals and more. Including Ayar Labs, Xanadu, Q.ant etc

Mar 18, 2026

Yole Group

Yole Group - Access daily business, market & technology updates in the semiconductor industry, our Analysts' Analysis and Presentations and more

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Silicon Photonics Companies

The dominant strategies in the silicon photonics industry are vertical specialization and integration. Intel and Cisco are pursuing integration, focusing on merging electronic and photonic components onto

Mar 16, 2026

Intel® Silicon Photonics

Intel is a pioneer in Silicon Photonics, having started investing in this technology at Intel Labs over 20 years ago. Today, the Intel Silicon Photonics Product Division is the volume market leader in Silicon

Dec 13, 2025

Silicon Photonics

The Silicon Photonics Companies Quadrant is a comprehensive industry analysis that provides valuable insights into the global market for Silicon Photonics. This quadrant offers a detailed

Jun 13, 2026

Tower Semiconductor Teams with NVIDIA to Advance

Home » Press Releases Tower Semiconductor Teams with NVIDIA to Advance AI Infrastructure with 1.6T Data Center Optical Modules Tower's

Sep 03, 2025

Top 100 Silicon Photonics Companies in 2026 | ensun

Discover all relevant Silicon Photonics Companies worldwide, including Analog Photonics and Intel Corporation (UK)

Jun 30, 2025

A New Era in Data Center Networking with NVIDIA

NVIDIA is integrating silicon photonics directly with its NVIDIA Quantum and NVIDIA Spectrum switch ICs to improve data center networking,

Jan 24, 2026

Top Silicon Photonics Technology Companies & How to Compare

Enterprises seeking integrated, turnkey modules often turn to Cisco or Acacia. Meanwhile, industrial and telecom players might prefer II-VI or Lumentum for their specialized components.

Sep 22, 2025

LightCounting :: November 2025 The year of Silicon

Silicon Photonics (SiPho) is the hottest optical technology now. Sales of optical transceivers are skyrocketing and CPO development is accelerating.

Nov 18, 2025

Has Silicon Photonics Finally Found Its Killer Application?

Multiple AI companies envision the use of integrated silicon photonics as the next natural evolutionary step for optical interconnects architecture targeting next

Jul 24, 2025

Top 21 Photonics Industry Companies

This list profiles 21 prominent photonics industry companies, ranging in size from small innovators to large corporations. They come from diverse localities,

Aug 01, 2025

Nvidia turns to silicon photonics to supercharge next

Earlier this year, the company confirmed that its next-generation rack-scale AI platforms will abandon pluggable optical modules in favor of co

Sep 26, 2025

Silicon Photonics Based 1.6T Transceiver Modules

Mar. 31, 2025. Coherent will show a live demonstration of its silicon photonics-based 1.6T-DR8 transceiver module using a Marvell® Ara 3nm optical digital signal

Sep 17, 2025

### Top 6 Silicon Photonics Companies Worldwide 2026

The top 6 silicon photonics companies in 2026, including Cisco Systems, Intel, IBM, NeoPhotonics, Hamamatsu Photonics, and STMicroelectronics globally.

Apr 05, 2026

### Silicon Photonics Companies | Market Research Future

Explore the world of Silicon Photonics Companies with Market Research Future. Gain insights into market size and trends shaping the industry's

Apr 25, 2026

### Silicon Photonics Race Intensifies as TSMC Targets 2026

Samsung Enters Silicon Photonics Race Notably, Samsung's foundry business has formally entered the silicon photonics space. According to The Elec, the company plans to launch

Apr 16, 2026

### Top 10 companies in Silicon Photonics Market in 2023

Rise in adoption of 2.5D integrated onboard silicon photonics by data centers and rising demand for high bandwidth, high data transfer, and

Oct 17, 2025

### Tower Semiconductor Partners with NVIDIA to Double Data Center...

Tower Semiconductor teams up with NVIDIA to launch 1.6T silicon photonics optical modules, enabling double bandwidth for AI data centers and next-gen networking. The collaboration

Oct 24, 2025

### 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 major optical

May 18, 2026

### Silicon Photonics Market Size & Share Analysis

The Silicon Photonics Market worth USD 3.96 billion in 2026 is growing at a CAGR of 27.19% to reach USD 13.18 billion by 2031. Intel

## Contact Us

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