

RIVO MULTITRADE OPTICAL SYSTEMS

Silicon Photonics Technology Company



Overview

Top 6 Silicon Photonics Companies Worldwide 2026 According to Expert Market Research, the top silicon photonics companies are Cisco Silicon Photonics Company.

Key Takeaways

Leading silicon photonics companies include Intel, Cisco Systems, Lumentum, GlobalFoundries, MACOM, IBM, STMicroelectronics, Rockley Photonics, NeoPhotonics, and Juniper Networks. These firms are consistently identified across major industry analyses as top players in silicon photonics, contributing technologies such as optical transceivers, modulators, and integrated photonic circuits. Top Silicon Photonics Companies (from multiple industry sources)

1. Intel Corporation
 - Major leader in integrated photonics for high-speed data applications.
 - Strong CMOS-based integration and advanced manufacturing capabilities.
 - Heavy R&D investment in optical I/O and data-center photonics.
2. Cisco Systems, Inc.
 - Key player in networking and telecommunications photonics.
 - Integrates silicon photonics into high-speed networking systems.
 - Active in next-generation co-packaged optics (CPO).
3. Lumentum Operations LLC
 - Provides advanced photonic devices and optical components.

- Strong presence in telecom and laser technology markets.
- 4. GlobalFoundries Inc.
 - Major semiconductor foundry supporting silicon photonics manufacturing.
- 5. MACOM
 - U.S.-based photonics and RF semiconductor company active in silicon photonics.
- 6. IBM
 - Engaged in silicon photonics for data-center and computing applications.
- 7. STMicroelectronics
 - European semiconductor company contributing to photonic integration.
- 8. Rockley Photonics
 - Specializes in vertically integrated photonic solutions, including healthcare sensing.
- 9. NeoPhotonics Corporation
 - Known for high-speed optical components and photonic integration.
- 10. Juniper Networks
 - Uses silicon photonics to enhance networking performance and SDN systems.
- 11. Additional Notable Companies
 - Coherent Corporation (optical components)
 - Hamamatsu Photonics (advanced photonic devices)
 - Sicoya GmbH (low-cost photonic integration)

Industry Overview

- Silicon photonics is driven by demand for high-bandwidth, low-power optical interconnects in AI data centers, telecom, and HPC.
- Market expected to grow rapidly, with projections reaching USD 9.65 billion by 2030.

These companies collectively shape the global silicon photonics landscape through innovations in optical transceivers, integrated photonic circuits, and next-generation optical interconnects.

Article Content

Roadmapping the next generation of silicon photonics

Silicon photonics has developed into a mainstream technology driven by advances in optical communications. The

Silicon Photonics Optical Interconnects

Our silicon photonics chips deliver the optical connectivity that data centers and AI infrastructure demand. Built on proprietary

Silicon Photonics Companies | Market Research Future

Silicon photonics companies work on the integration of optical components into silicon chips. This technology has

Silicon photonics

Silicon photonics is the study and application of photonic systems which use silicon as an optical medium. The silicon is

Who are the leading photonic chip manufacturers?

North America leads in silicon photonics development and manufacturing, driven by major technology companies and

Silicon Photonics and Photonic Integrated Circuits 2025-2035 ...

IDTechEx's report "Silicon Photonics and Photonic Integrated Circuits 2025-2035: Technologies, Market, Forecasts" categorizes the

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: <https://rivomultitrade.co.za>

Technical inquiry: <https://rivomultitrade.co.za/contact.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

