

Compatible silicon photonics active optical modules from US suppliers



AI Overview

US suppliers such as Hyper Photonix, Intel, Elenion, OpenLight, and Max. Analog Photonics offer high-performance silicon photonics active optical modules suitable for data center, AI/ML, and telecommunications applications. Key US Suppliers and Offerings

Hyper Photonix provides a wide range of high-speed optical transceivers built on their Hyper Silicon™ platform, supporting data rates from 40G up to 1.6T in various industry-standard form factors. Their modules integrate advanced silicon photonics, high-speed circuits, and packaging designs, targeting hyperscale data centers, AI/ML computing, supercomputing, 5G, and telecom networks . Intel® Silicon Photonics combines silicon manufacturing with optical integration on a single chip, enabling high-bandwidth, low-latency optical interconnects. Their modules are widely used in 5G networks and data center interconnects, offering scalable solutions for high-speed networking . Elenion Technologies focuses on highly integrated photonic devices using proprietary manufacturing processes in CMOS foundries. Their silicon photonics modules are designed for rapid scaling and high-density optical interconnects, suitable for enterprise and hyperscale applications . OpenLight specializes in custom Photonic Application Specific Integrated Circuits (PASICs), integrating laser sources directly onto silicon chips. This approach reduces manufacturing costs and enhances performance for optical communication systems . Max. Analog Photonics develops photonic circuits for LiDAR and optical communications, emphasizing innovative silicon photonics solutions for connectivity and autonomous systems . Other notable US suppliers include AOI, Infinera, and Strike Photonics, which provide optical components, transceivers, and next-generation photonic chips for telecom, data center, and sensing applications . Techn...

Article Content

10 companies in the optical transceiver industry chain 2024

To help you choose the best partner, this article will analyze and introduce 10 companies in the optical transceiver industry chain for you.

Optics Compatibility Matrix

Cisco Optics-to-Device Compatibility Matrix Disclaimer: Cisco makes the data in this tool available for informational purposes. Cisco does not represent, warrant, or guarantee that it is complete, accurate,

Products » Acacia

Acacia is widely recognized as a pioneer of silicon-based PICs for coherent optical communications—the highly integrated Silicon Photonics single-chip PICs are low power and ultra

Silicon Photonics Companies

List of the top Silicon Photonics companies based on extensive research conducted by Mordor Intelligence analysts and expert advisors that identified these brands to be the leaders and major

Charting the Path Toward 1.6T and 3.2T Optical Module Solutions

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 companies in Silicon Photonics Market in 2023

Rockley Photonics – Revenue [US\$47 Million] For high-volume optics applications, Rockley Photonics is a fabless supplier of silicon photonics chipsets, IP, and custom designs.

Optical Transceiver Companies

Meanwhile, in terms of ultra-high-speed module layouts, the company has invested heavily in research & development in recent years and is currently developing 200G/400G high-speed products and next

Photonics Suppliers | Suppliers | Photonics Buyers' Guide | Photonics ...

Explore top photonics and optical component manufacturers in our comprehensive buyers' guide. Compare suppliers of lenses, lasers, cameras, filters, sensors, and more. Provides cutting-edge

KD — High-Speed Optical Connectivity Semiconductors

KD provides semiconductors for high-speed optical networking in harsh environments. Applications in automotive, home & SOHO, and industrial benefit from KD's future-proven system solutions for

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Largest Database of Optics and Photonics Products and Solutions MEETOPTICS is the world's largest database of photonics products and custom solutions,

Top 6 Silicon Photonics Companies Worldwide 2026

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

Alpine Optoelectronics

We are located in Fremont, CA. We design and sell optical transceivers, optical modules, Modular TDCM+EDFA Platform, 100G, 400G and 800G PAM4

Silicon Photonics Market Size, Growth Drivers & Industry Analysis, 2031

Silicon Photonics Market Size & Share Analysis - Growth Trends and Forecast (2026 - 2031) The Silicon Photonics Market Report is Segmented by Product (Optical Switches, and More),

Top Silicon Photonics Companies in United States

Analog Photonics specializes in developing photonic circuits and disruptive technologies, particularly in silicon photonics. Their focus on innovative LiDAR and optical communications solutions highlights

RP Photonics Buyer's Guide

Directory of Photonics Suppliers We have 1767 registered photonics suppliers in this Buyer's Guide — the most professional directory of manufacturers and distributors of products in the area of photonics.

Optical Component Startup Tracker

The number of venture-backed optical component startups has exploded - the Optical Component Start-Up Tracker identifies these companies

Top 5 Sfp Module Manufacturers In The U.S. For Enterprise Buyers

1. Broadcom Inc. — Silicon + optics leader for high-density networks Why enterprise buyers pick them: Broadcom supplies a huge share of networking silicon and a wide portfolio of pluggable optical

High Quality Optical Module Wholesaler

By seamlessly integrating advanced silicon photonics, ultra high speed circuit and packaging designs, Hyper Photonix offers a comprehensive range of high-speed optical transceivers – with data rate

United States Photonics Companies

Major Players: Within the US Photonics Market, several key players significantly influence trends and technological advancements. Major companies in this market include those specializing in optical

Optical Components | Suppliers | Photonics Buyers' Guide | Photonics ...

Explore 1,290 top manufacturers and suppliers of Optical Components in our comprehensive photonics buyers' guide.

Silicon Photonics – Buying Guide & Supplier List | RP Photonics

This silicon photonics buying guide provides technical background, comparison of major types, selection criteria, and an overview of suppliers.

Intel® Silicon Photonics

What Is Silicon Photonics? Silicon Photonics is a combination of two of the most important inventions of the 20th century—the silicon integrated circuit and the semiconductor laser. It enables faster data

Find & Compare Optics | Photonics Services | MEETOPTICS

Search for and compare optical components from manufacturers around the world, or for custom jobs we'll match you with an industry expert service provider.

Top Photonics Manufacturers | Optical Components & Systems Suppliers

Need photonics manufacturers for medical or industrial applications? Discover certified suppliers of laser diodes, optical sensors, and light therapy devices. Click to connect with global

Lasers, Optical Transceivers & HFC Networks

AOI designs and manufactures advanced semiconductors, laser components, optical transceivers, and RF access network equipment that support high-performance connectivity across multiple markets.

Beyond Chips: Unveiling the Future of the Global Silicon Photonics ...

Based on SemiVision Research's current assessment of the global silicon photonics (SiPh) ecosystem, the supply chain can be systematically categorized into key stages as follows:

Silicon Photonics Market Size, Share and Trends

Silicon Photonics Market Size, Share & Trends According to Marketsandmarkets, the silicon photonics market size was valued at USD 2.16 billion in 2024 and is projected to reach USD 9.65 billion by

Top 100 Photonics Companies in United States (2026) | ensun

The company, Analog Photonics, specializes in the development of photonic circuits and has created a fully operational Solid State LiDAR prototype. Their focus on disruptive innovations in silicon

Top Photonic Quantum Computing Companies in 2026

Insider Brief Photonic quantum computing uses photons instead of matter-based qubits, offering room-temperature operation, fiber-network

Contact Us

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