

Article Overview

L2Tek, GIGALIGHT, Source Photonics, and SiFotonics are key distributors and manufacturers of 100G silicon photonics solutions.

L2Tek

L2Tek is a UK-based distributor offering Gigalight's silicon photonics transceivers across the U.K. and Europe. Their portfolio includes 100G DR1 QSFP28 transceivers, capable of supporting up to 500 meters over a single wavelength, as well as higher-speed 400G and 800G modules. These transceivers are designed for data centers, AI, HPC clusters, and cloud computing applications, and comply with IEEE 802.3 standards while being robust against temperature, humidity, and EMI interference .

GIGALIGHT

GIGALIGHT provides a wide range of 100G QSFP28 silicon photonics modules, along with adapters and active optical cables for network upgrades. Their offerings cover 10G to 800G pluggable optical modules, including QSFP28, QSFP56, QSFP-DD, and OSFP form factors. GIGALIGHT also supplies digital coherent optical transceivers (DCO) for data center interconnection, 5G backhaul, and metro networks, making them a versatile supplier for both short- and long-reach applications .

Source Photonics

Source Photonics is a global manufacturer of optical transceivers, including 100G silicon photonics solutions. They specialize in high-speed optical modules and have demonstrated advanced transceivers and switch products at industry events like OFC'26. Their expertise spans optoelectronic devices, optical subassembly, and module design, making them a reliable source for large-scale deployments .

SiFotonics

SiFotonics offers highly integrated 100G PAM4 silicon photonics solutions and 4x25G/4x50G PIN array chips. Their products support the upgrade of data centers from 100G to 400G/800G and leverage mature silicon photonics design and process platforms. SiFotonics also provides high-speed Ge/Si APD/SiP optical subassemblies for telecom and 5G PON applications .

Summary

For organizations seeking 100G silicon photonics technology, the following options are notable:



Distributor of 100G Silicon Photonics Technology

- o L2Tek: European distributor of Gigalight SiPh transceivers
 - o GIGALIGHT: Manufacturer of 100G QSFP28 modules and DCO transceivers
 - o Source Photonics: Global manufacturer with advanced 100G optical modules
 - o SiFotonics: Provider of integrated 100G PAM4 solutions and optical subassemblies
- These companies provide both short-reach and long-reach 100G solutions, suitable for data centers, AI, HPC, and telecom networks.

Key takeaway Analog Photonics specializes in the development of photonic circuits, including innovative

As a leading global provider of advanced technology solutions for communications and data connectivity, we embrace the need to be

Acacia is widely recognized as a pioneer of silicon-based PICs for coherent optical communications--the highly integrated Silicon

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By seamlessly integrating advanced silicon photonics, ultra high speed circuit and packaging designs, Hyper Photonix offers a

In this photonics directory you can search for suppliers by company names.

GIGALIGHT provides 100G, 200G, 400G and 800G pluggable digital coherent optical transceiver modules (DCO) and non-coherent

100G Optical Modules for Extended-Reach Data Center Interconnect; Metro and Regional Networks; and All Your Connectivity

Using silicon photonics to power new optical applications Silicon photonics has proven to be a compelling platform for

This buyer's guide for silicon photonics provides technical background, comparison of major types, selection criteria, and an overview

List of the top Silicon Photonics companies based on extensive research conducted by Mordor Intelligence analysts and expert

The global 100G Silicon Photonics Modules market size is expected to reach \$ 6881.4 million by 2030, rising at a market growth of

GIGALIGHT 100G QSFP28 LR1 optical transceiver module adopts single-wavelength 100G PAM4 and silicon photonics integration

Key takeaway Intel's Silicon Photonics integrates the manufacturing capabilities of silicon with the advantages of light on a single

Silicon photonics unlocks the ability to produce photonic devices on a silicon substrate using mainstream silicon manufacturing

The 100G Silicon Photonics Modules market size, estimations, and forecasts are provided in terms of output/shipments (K Units) and

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