

NeoPhotonics Fact Sheet

Company Profile

NeoPhotonics is a leading designer and manufacturer of photonic integrated circuit, or PIC, based modules and subsystems for bandwidth-intensive, high-speed communications networks. NeoPhotonics products simplify optical network implementation by delivering high levels of integration through PIC solutions, which combine multiple discrete elements, in some cases over one hundred, on a single chip. NeoPhotonics has developed PIC-based products that achieve the increased performance required to migrate networks from 10Gbps to 100Gbps, that provide network agility through cost effective ROADM modules and that enable network access in outside plant PON installations and wireless backhaul systems. NeoPhotonics vertically integrated design and manufacturing process encompasses all steps from wafer design and fabrication to assembly and test, and allows for rapid iterations in the development cycle and shorter time-to-market for its products.

Products and Market

NeoPhotonics markets are driven by the increasing need for cost-effective, high-bandwidth solutions that address the rapid growth in network traffic driven by bandwidth-intensive content including digital video, multimedia, music, social networking, video conferencing and high-definition, or HD, content and the evolution of mobile video applications in 3G and LTE wireless infrastructures. The demand for bandwidth capacity is accelerated by the proliferation of mobile and fixed network-attached devices, such as smartphones, laptops and netbooks, e-readers, PCs, televisions, and gaming devices that are enabling consumers to access bandwidth-intensive content anytime and anywhere, resulting in strained communications networks. NeoPhotonics products enable high-speed transmission rates and efficient allocation of bandwidth over optical networks with high quality and low costs. NeoPhotonics has a broad portfolio of products that enable speed, or data transmission rates at 10Gbps, 40Gbps and 100Gbps, agility, or the ability to dynamically allocate bandwidth to adjust for volatile traffic patterns, and access, or the ability to provide more devices and people with high bandwidth wireline and wireless network connections.

Technology

NeoPhotonics innovative PIC technology utilizes a set of proprietary design elements that provide optical functionality on a silicon chip. NeoPhotonics utilizes proprietary design tools and design-for-manufacturing techniques to closely align NeoPhotonics design process with NeoPhotonics precision nanoscale vertically integrated manufacturing and testing capabilities. NeoPhotonics technology and manufacturing expertise enable us to deliver repeatable, well-characterized products at high yields. PIC devices can incorporate many more functional elements than can discrete components, thereby eliminating packaging and interconnection costs. In addition, the costs of PIC-based components are driven by silicon economics, such that the incremental costs of producing an incremental chip is much less than that of a discrete component with individual packaging and interconnection.

Management Team

Timothy S. Jenks - Chairman, President & Chief Executive Officer
James D. Fay - Vice President and Chief Financial Officer
Ben Sittler - Vice President of Global Sales
Raymond Cheung - Vice President & Chief Operating Officer
Wupen Yuen - Vice President of Product Development and Engineering
Ferris Lipscomb - Vice President of Marketing
Ian Gray - Vice President of Human Resources

Board of Directors

Timothy S. Jenks
Bandel Carano
Michael J. Sophie
Lee S. Ting
Allan Kwan
Björn Olsson

Locations

NeoPhotonics manufactures its products in San Jose, California, USA and Shenzhen, China. Engineering and R&D are carried out at each location. Sales offices are located in the U.S, China, and Europe. The company has approximately 3000 employees.

Worldwide headquarters are located in the Silicon Valley:

NeoPhotonics Corporation
2911 Zanker Road, San Jose, California, 95134 USA

And:

China Headquarters:

NeoPhotonics (China) Co., Ltd.
NeoPhotonics Building
No.8, 12th South Keji Rd., South Hi-Tech Industry Park
Shenzhen 518057
China