

Indian manufacturer of silicon photonics technology 400G





Overview

PhotonSilica is R&D FabLab + design house accelerating semiconductor innovation—built in India, for the world. We turn Indian research into domain-qualified silicon for defence & space, automotive, telecom, consumer electronics, data centers, and industrial electronics. Tejas Networks is a global leader in broadband optical networking, specializing in high-bandwidth optical transport technologies like 100G/400G+ DWDM, which are essential for advancements in silicon photonics. Their commitment to technology and innovation positions them at the forefront of this. An OSAT or Packaging & Testing Unit has been promoted with an Indian American semiconductor expert. Silicon Photonics (SiPh) transceivers have emerged not as a theoretical alternative, but as a production-proven platform reshaping how high-speed optical modules are designed, built, and deployed.



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NeoPhotonics Announces General Availability of 30-40



NeoPhotonics low-loss SSC technology enables direct attachment of the Indium Phosphide laser to a Silicon Photonics waveguide, increasing

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PhotonSilica , PHSI Technologies & Research Pvt. Ltd.

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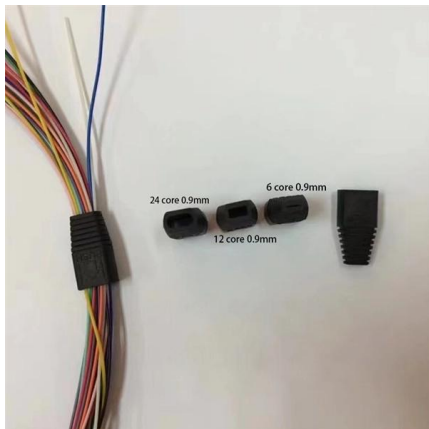
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Siemens closes on electric infrastructure manufacturer Russelectric

GF accelerates adoption of co-packaged optics for AI data centers GlobalFoundries's SCALE CPO solution and silicon photonics technology offer an advanced portfolio of fully-qualified

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Home , India Semiconductor Mission

The India Semiconductor Mission (ISM) aims to build a strong semiconductor and display ecosystem, positioning India as a global hub for

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Silicon Photonics

The team has developed the Hyper Silicon(TM) PIC for mainstream market applications, including 400G DR4, 800G DR8/DR4, and 1.6T DR8, achieving

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Marvell Technology, Inc. , Essential technology, done right

Designed for your current needs and future ambitions, Marvell delivers the data infrastructure technology transforming tomorrow's enterprise,

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Silicon Photonics Transceivers: 400G & 800G Data Center Guide

Silicon Photonics transceivers explained in depth. Learn how SiPh compares to traditional optics for 400G and 800G data centers in performance, power, cost, and scalability.

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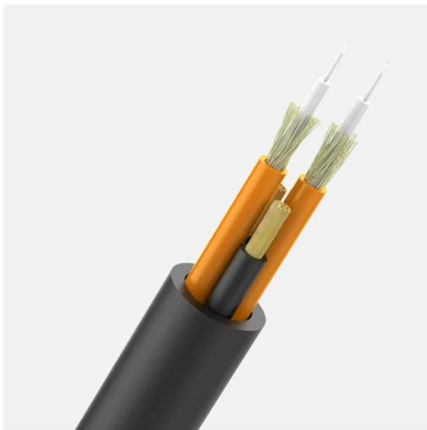
Top 100 Photonics Companies in India (2026) , ensun

Tejas Networks is a global leader in broadband and optical networking, specializing in high-bandwidth optical transport technologies like 100G and 400G+ DWDM,

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- ☒ IP45/IP55 OUTDOOR CABINET
- ☒ OUTDOOR CABINET WITH AIR CONDITIONER
- ☒ OUTDOOR ENERGY STORAGE CABINET
- ☒ 19 INCH



Silicon Photonics Light Up 400G Data Centers

Recently, FIBERSTAMP has launched 400G QSFP-DD DR4/DR4+ transceivers based on the Silicon Photonics technology, to help hyperscale data centers

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Sicoya Demonstrates 400G Silicon Photonics Technology

Sicoya's wafer-scale silicon photonics platform offers lower power and cost while increasing performance and scalability versus traditional manufacturing techniques. "The amount of

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FAST Photonics offers next generation 400/800G transceivers

FAST Photonics Technologies, Shenzhen, China, has announced plans to develop and manufacture high-speed optical transceiver products based on Intel's Silicon Photonics Technology.

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Inphi Introduces Next-Generation 400G DR4 Silicon Photonics

Inphi brings high volume silicon wafer scale manufacturing to the optics industry by offering customers the option to purchase Inphi-designed high-performance 400G DR4 PICs in full

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India Silicon Photonics Transceiver Market 2024

Strategic partnerships between Indian companies and global players in the photonics space could provide the necessary resources and technology to boost the local manufacturing of silicon photonics

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India Silicon Photonics Transceiver Market 2024

India Silicon Photonics Transceiver Market was valued at US\$ 34.5 million in 2024 and is projected to reach US\$ 78.9 million by 2030, at a CAGR of 14.8%.

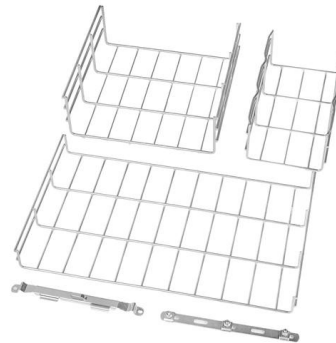
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India working towards development of Silicon Photonics

In December 2020, this centre was founded in collaboration with industry leaders to spearhead the design, manufacture, and application

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Hengtong Rockley Unveils 400G DR4 Silicon Photonics

Hengtong Rockley Technology, a leading designer and manufacturer of high-end optical modules, has released a 400G QSFP-DD DR4 optical module

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Photonics Valley Corporation

A proposal has been mobilized to establish a Silicon Photonics Fab to manufacture computing systems and was submitted to the Government of India. The proposal is being led by an Indian American

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Silicon Photonics Applied for 400G Data Center

Silicon photonics has proven to be a compelling platform for enabling next-generation coherent optical communications and intra-data center interconnects. This technology can support a

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How 400G Optical Modules Are Shaping Next-Gen

Discover key factors driving the rapid adoption of 400G optical transceivers, including AI, 5G, coherent optics, and market trends shaping next

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Intel Demos Its First 400GbE Silicon Photonics

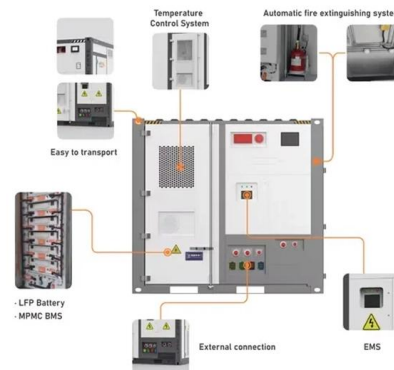
Intel demoed its latest silicon photonics transceiver that pushes data at 400G speeds via lasers embedded onto a silicon die.

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Top startups in Photonics in India (Jan, 2026)

Discover the top emerging companies in the Photonics Startups in India, their funding activity, key investors, company highlights, and growth stages

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Marvell Announces Production Availability of 400G Silicon Photonics

The Marvell® 400G DR4 platform, based on silicon photonics technology, is helping scale cloud data center architectures to address the accelerating bandwidth requirements of emerging

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For datasheets, pricing, or custom fiber access solutions, please visit:
<https://www.frindel.es>