



Original Authentic Silicon Photonics Liquid-Cooled Switch

This groundbreaking switch leverages a liquid-cooled design to efficiently cool the onboard silicon photonics. The NVIDIA Quantum-X InfiniBand Photonics switch

NVIDIA has developed co-packaged optics (CPO) technology with TSMC for its upcoming Quantum-X InfiniBand and Spectrum-X Ethernet

Recently, interest has increased in the flexibility of silicon-integrated photonic system design with the complementary metal-oxide semiconductor (CMOS) advancements, which enables

Immersion cooling involves submerging computer components in a thermally conductive, but electrically insulating liquid. This method stands out for its

Quantum-X Photonics Switches Debut with Liquid Cooling. In detail, NVIDIA silicon photonics networking switches are available as part of the

NVIDIA unveiled its next-generation silicon photonics switches-- Spectrum-X Photonics Ethernet and Quantum-X Photonics InfiniBand

Silicon photonics is a technology that integrates elements such as optical waveguides, optical switches, optical modulators, and photodetectors on

Overview of Silicon Photonics technology and market. Start with this guide to Silicon Photonics to get a better understanding of SiPho.

Optical transistors provide a means to control light using only light and has applications in optical computing and fiber-optic communication networks. Such technology has the potential to exceed the

iPronics, a leader in software-defined photonics, today launched its Optical Networking Engine, ONE-32, the world's first Optical Circuit Switch

In general, the optical switch using the T-O phase shift mechanism can achieve a smaller size, while the optical switch using the E-O phase shift

Integrated photonic solutions for radio applications can benefit from the current DCI technology, such as single-mode silicon photonic transceivers;



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The working mechanisms are introduced and the key specifications such as insertion loss, crosstalk, switching time, footprint and power

NVIDIA today unveiled NVIDIA Spectrum-X(TM) and NVIDIA Quantum-X silicon photonics networking switches, which enable AI factories to

An optical transistor, also known as photonic transistor, optical switch or light valve, is a device that switches or amplifies optical signals. Light occurring on an optical transistor's input changes the

While direct-to-chip liquid-cooled switches are not yet commercially available, our vision for the technology includes: Liquid cold plates for ASICs: Innovative cold plate designs will mount

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