

Croatian manufacturer s 800G liquid-cooled power switch



Overview

Building on its S9827 series 800G switch platform, which already incorporates liquid cooling design and has been validated through large-scale deployments, H3C has refined liquid cooling into a mature and reliable foundational technology through continuous innovation. Yet, NVIDIA's latest H800 GPU card offers 3X the FP32 computing power of the previous A800 generation. The accompanying Cx7 network card supports 400Gb/s per port, with a maximum capacity of 2K ports for a. Tech Talk: Redefining 800G Switch Reliability with H3C Liquid Cooling □□ Standard cooling can't keep up with the 800G transition in massive AI clusters. It's time to talk about deployment-ready liquid cooling. The H3C S9827 Series isn't just a thermal upgrade; it's a reliability breakthrough. Today's rack switches are rapidly approaching their thermal limits with the jump to 400G, 800G, and. To address this challenge, data center networks must accelerate from traditional 400G architectures toward 800G and eventually 1. 800G Ethernet represents not only a doubling of bandwidth, but a comprehensive redesign of network topology, congestion control mechanisms, and physical-layer signal.



Article Content

H3C's Core Liquid Cooling Breakthrough: Redefining 800G Switch ...

Building on its S9827 series 800G switch platform, which already incorporates liquid cooling design and has been validated through large-scale deployments, H3C has refined liquid cooling into a mature

Data Center Switches

Low-carbon and Energy-saving Ruijie's first submersible liquid-cooled switch deployed at large data center scale with high power consumption elimination, energy-saving and emission reduction.

Liquid-cooled power supply

Find your liquid-cooled power supply easily amongst the 26 products from the leading brands (Tektronix, VEICHI, Gustav Klein, ...) on DirectIndustry, the

In-Depth Analysis Report on 800G Switches | FiberMall

With mature 51.2T chips, major network equipment manufacturers (OEMs) have launched their respective 800G switch products. These go beyond

Exploring the Future of AI Networking: Liquid-Cooled Switches on the ...

Today's rack switches are rapidly approaching their thermal limits with the jump to 400G, 800G, and beyond. The consequences can be bottlenecks, throttling, and increased operating costs.

Cisco N9364E-SG2 Switches Data Sheet

Cisco N9364E-SG2 switches introduce high-density 800G aggregation for the data center fabric. They also offer various lower port speeds and densities, including 400, 200, and 100 Gbps.

Supermicro SSE-T8164 800G Ethernet Switch

The switch is air cooled and has been designed with Direct Liquid Cooling capability as well which can be used to significantly reduce the power consumption and building energy efficient networks. The

H3C Data Center Switches Green Energy-Efficient Technologies

Liquid cooling has higher thermal transfer efficiency than air cooling. It uses liquid convection and heat transfer to lower the temperature of electronic components, preventing component failures or rapid

STORDIS and Edgecore Networks Lead the Way in AI-Optimized

STORDIS and Edgecore Networks present the groundbreaking AIS800-640 switch at the 2025 OCP EMEA Summit. Powered by the Broadcom Tomahawk 5 ASIC, the AIS800-640 delivers

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While XPO may dominate the heavy-duty AI back-end fabrics, traditional air-cooled 800G and 1.6T optics will likely persist in standard cloud and enterprise networks. The strategic pivot for

Liquid Cooled for Power Electronics. Check Liquid

Liquid Cooled : Liquid cooled heatsinks (copper or aluminium liquid-cooled heatsinks) with specific design of its internal channel for each power module type.

Cisco Announces Silicon One G300, Advanced Systems and Optics

These advancements deliver a major leap forward in power-efficient, high-performance AI infrastructure. Cisco N9000 and Cisco 8000 102.4T Systems: powered by Silicon One G300, deliver

Data Center Switch

Celastica's 800G Family of Network Switches are purpose-built to support cutting-edge AI/ML and HPC requirements. The DS5000 delivers unparalleled high

Ruijie Networks Released Near-packaged Optics (NPO) & Cold-plate Liquid ...

At the optical fiber communication conference and exhibit (OFC) 2022, Ruijie Networks released 51.2T silicon photonics NPO cold-plate liquid-cooling switch based on the 800G NPO

H3C Liquid Cooling for 800G Switch Reliability

It's time to talk about deployment-ready liquid cooling. The H3C S9827 Series isn't just a thermal upgrade; it's a reliability breakthrough.

BREAKING PRESS RELEASE: #STORDIS and Edgecore Networks

We're excited to introduce the new AIS800-640 — a powerful #800G switch designed for the future of #AI data centers and hyperscale environments.

Liquid-cooling in variable speed drives | ABB

ABB's liquid-cooled drives deliver exceptional power density in a compact footprint, making them ideal for high-power applications with limited space. Thanks to an innovative cooling concept that directs

HPE & Juniper Lead 2026 AI Networking: 800G Routers & Liquid Cooling

Discover the new AI Grid solution, 800G PTX12000 routers, and the world's first 100Tbps liquid-cooled switch for Nvidia AI Factories.

800G Silicon Photonic Switches: Revolutionizing AIGC

With the "air cooling + liquid cooling" heat dissipation design, it can achieve a 30% reduction in TCO within a single cluster, effectively helping the

H3C's Core Liquid Cooling Breakthrough: Redefining 800G Switch ...

For operations engineers, the foremost challenge in deploying high-power, high-density liquid-cooled switches is ensuring that core components do not overheat. As high-speed optical

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