

Liquid-cooled concept switch



Overview

This system is engineered to cool up to 80% of the system's power, a substantial improvement over traditional air-cooling methods. The liquid cooling targets three primary components within the switch, ensuring optimal thermal management for the most heat-intensive parts of the. Cisco is actively innovating in direct-to-chip liquid cooling for high-performance switches, laying the groundwork for solutions that will enable seamless and scalable AI at unprecedented densities. Today's rack switches are rapidly approaching their thermal limits with the jump to 400G, 800G, and. In 2024, NVIDIA launched the NVL72/NVL36 solutions, further increasing the demand for constructing fully liquid-cooled data centers. In the data center field, the two liquid cooling methods in large-scale use are cold plate cooling and immersion cooling. Together with its world-leading digital infrastructure partners, Global Switch was the first to bring many of these.



Article Content

Deep Dive: Liquid-Cooled AI Switches for the Next Generation

As the demand for AI computing grows, liquid cooling technology has become the key to guaranteeing heat dissipation for high

What Are Next-Generation Liquid-cooled Switches Like?

Liquid cooling is not just a simple heat dissipation method, but more like a lubricant for the

Interesting. Cisco shows off its liquid-cooled switch. | Rich Miller

At Cisco's 2025 GSX, the industry witnessed the unveiling of the "first direct-to-chip liquid cooling 51.2T switch." This groundbreaking

Cooling the Network Revolution: Edgecore's Liquid and Immersion ...

With passion and engineering rigor, they are developing advanced liquid cooling and immersion cooling solutions that

Liquid Cooling Explained: Benefits & Design | CoolIT Systems

Learn how liquid cooling boosts HPC and AI efficiency. Discover benefits, design, and sustainability with CoolIT's advanced cooling

Acer Unveils World's First Liquid-Cooled 2-in-1 Laptop

Acer's latest laptop could make a splash in the PC industry. Acer's new Switch Alpha 12 is the first 2-in-1 with liquid

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

The liquid cooling technology in the H3C S9827 series switches reverses this logic, transforming it from a limiting

Cisco's Liquid-Cooled 51.2T Switch: Next-Generation Data Center ...

Cisco's 51.2T liquid-cooled switch represents a significant leap forward in data center technology. By integrating direct

The Study of Liquid Cooling Solution on 51.2T Switch

AI/ML application hyper-growth in recent years is rapidly driving the increased switching bandwidth in data centers, which brings the

A Liquid-Cooled 2-in-1? Acer's Switch Alpha 12

Following leaks revealed earlier this week, Acer officially revealed the Switch Alpha 12 during an event in NYC. The

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

High-radix, liquid-cooled fabrics are poised to interconnect future GPU and accelerator clusters at massive scale,

What is Global Switch's Liquid Cooling for Data Centres?

Global Switch teams with top suppliers to deploy liquid cooling tech, cutting emissions and powering London's AI and

What is Liquid Cooled Switch?

A liquid cooled switch is an advanced networking device designed for data centers, utilizing liquid-based cooling

Lambda offers glimpse into Nvidia's CPO switch, enabling "more

It offers up to 115.2 terabits per second (Tb/s) of non-blocking switching capacity. The switch is liquid-cooled, with four

What is Liquid Cooling?

Discover what liquid cooling is, how it works, its development, and its benefits in modern data centers.

Liquid-cooled heat sink design for a multilevel inverter switch with ...

The stark difference between air-cooled and liquid-cooled heat sinks was demonstrated in parallel modeling efforts.

Nvidia announces liquid cooling system that runs "hotter than a hot tub ...

AI GPU maker Nvidia just announced a "hotter than a hot tub" liquid cooling system that it says will cut water and

Liquid Cooling

Liquid Cooling A full suite of liquid cooling options is now available across our data centre portfolio, capable of meeting the demands

Cisco's INSANE Liquid-Cooled Switch

Big thank you to Cisco for sponsoring my trip to the Cisco Partner Summit and for

NVIDIA Liquid Cooling Analysis – From Blackwell to Rubin

I originally thought that all GB200 servers (Compute trays and switch trays) were liquid-cooled, but this is not the case.

Arista developing liquid-cooled network switches

Networking firm Arista is developing liquid-cooled switches and racks. As reported by NetworkWorld and Converge

Rack-Scale Liquid Cooling Solutions | Supermicro

Dive into Liquid Cooling Server solutions, providing efficient thermal management. Ideal for high-performance computing, ensuring

OnePlus 11 Concept Phone With Active Cryoflux Liquid Cooling

OnePlus 11 Concept phone was unveiled by the company at MWC 2023. The smartphone features an Active Cryoflux

Hands On With OnePlus' Liquid-Cooled, Light-Up Concept Phone

OnePlus debuts a concept device at Mobile World Congress in Barcelona that combines a flashy, liquid-cooled rear

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

Cisco is leading this innovation with ongoing R&D into direct-to-chip liquid-cooled switching platforms. By connecting you to this

Deep Dive: Liquid-Cooled AI Switches for the Next Generation

This article delves into the design difficulties and solutions for liquid-cooled switches, while also exploring the potential of liquid

Switch to Liquid Cooling | nVent SCHROFF

Make the Switch to Liquid Cooling Systems are becoming smaller and more powerful, thereby driving the need for enhanced thermal

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

Exploring the Future of AI Networking: Liquid-Cooled Switches on the Horizon Imagine a data center where even the most powerful

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

Imagine a data center where even the most powerful switches run cool and stable—without noise, thermal throttling,

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