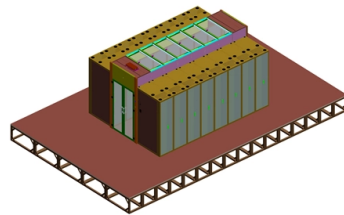


Cost-effective liquid-cooled switch 200G



Overview

This switch is your next leap forward – a powerful, efficient, and cost-effective way to bring 50G, 200G, and 400G into your rack. Quad-core 2 GHz ARM CPU, dual-redundant power supplies and 4x hot-swap cooling fans, 2x 10G Ethernet, 8x 50G SFP56, 2x 200G . 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. Imagine a data center where even the most powerful switches run cool and stable— without noise, thermal throttling, or energy waste. It can be deployed as either a leaf or spine component within modern IP fabric architectures, making it well suited for data center environments. This platform. Automated Liquid-Cooling Assembly: The customized automated liquid-cooling assembly platform based on the S³IP UNP concept has been verified through mass delivery.



Article Content

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

QFX5250 Overview | Juniper Networks

For example, QFX5250 switch can connect 200G leaf nodes directly to 200G servers. It supports native IP fabric

Liquid Cooling

The different thermal management solutions for cooling the high-power components in

NVIDIA GB200 NVL72 Delivers Trillion-Parameter LLM Training and

Computationally efficient, cost-effective, and energy-efficient systems, architected to deliver real-time inference will be

Mellanox Liquid Cooled HDR 200G Multi-Host InfiniBand Adapters ...

Mellanox® Technologies, Ltd. (NASDAQ: MLNX), a leading supplier of high-performance, end-to-end smart

NVIDIA Contributes NVIDIA GB200 NVL72 Designs to Open

During the 2024 OCP Global Summit, NVIDIA announced that it has contributed the NVIDIA GB200 NVL72 rack and

10 Best Liquid Cooled CPU Coolers (March 2026) Reviewed

Discover the 10 best liquid cooled CPU coolers after testing 47 models. Compare prices, features, and find your

Liquid-cooled heat sink design methodology with technical and ...

Abstract A two-step methodology is proposed for the design and optimization of liquid-cooled heat sinks, where

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

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

The parameters under consideration were technical metrics (thermal resistance, pressure loss, and temperature

Nvidia reveals liquid cooled GB200 NVL72 system

Nvidia has announced a liquid cooled server rack featuring 72 of its newly shared Blackwell GPUs. The GB200

What is Liquid Cooled Switch?

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

AMAX LiquidMax® GB200 NVL72 ALC-B4872 AI POD

AMAX's LiquidMax® ALC-B4872 GB200 NVL72 AI POD with Liquid-to-Air (L2A) Cooling provides an efficient thermal management

Data Center Liquid Cooling: Deep Dive | Flexential

Hybrid cooled data center (air/liquid cooling system) Hybrid systems combine the benefits of both air- and liquid cooling. They are

MikroTik · CRS812 DDQ

This switch is your next leap forward – a powerful, efficient, and cost-effective way to bring 50G, 200G, and 400G into your rack.

Introduction to NVIDIA GB200 Superchip and Liquid

Given its high power consumption of 2700W, the GB200 requires efficient cooling. The

Supermicro's Liquid-Cooled SuperClusters for AI Data Centers

SuperCloud Composer's Liquid Cooling Consult Module (LCCM) optimizes the operational cost and manages the

Liquid Cooling for Supermicro Servers

Some of the benefits of moving to a liquid cooled solution are: • Switching from Air Conditioning to More Effective Liquid Cooling

Industry First 1.6T Liquid Cooled Switch: QFX5250-64OE-L

The QFX5250-64OE-L liquid-cooled switch uses direct-to-chip cooling and meets Open Compute ORv3 standards,

Liquid and Immersion Cooling Options for Data Centers

Data center operators are evaluating liquid cooling options, as processing-intensive computing applications grow. The market for

Meta GB200: 3.9kW TDP Liquid Cooling & NVLink5

Explore how Meta GB200 liquid cooling can slash your operational costs while boosting AI

Hot Interconnects: Arista Outlines Pathways to Energy-Efficient Optics ...

"The path to energy-efficient optics is constrained by high-volume manufacturing," Bechtolsheim noted, stressing that

8 Best Budget AIO CPU Liquid Coolers in 2025 For

We rated and reviewed the 8 Best Budget AIO CPU Liquid Coolers in 2025. If you're looking

IEEE Xplore

Need Help? US & Canada: +1 800 678 4333; Worldwide: +1 732 981 0060; Contact & Support; About IEEE Xplore; Contact Us;

Redefining liquid cooling from the server to the switch

BT kicked off the trials with a network switch cooled using Iceotope's Precision Liquid Cooling technology and Juniper

Super Micro Computer, Inc.

, a Total IT Solution Provider for AI, Cloud, Storage, and 5G/Edge, is accelerating the industry's transition to liquid

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,

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

H3C Data Center Switches Green Energy-Efficient Technologies

H3C provides single-phase, liquid cooled switches with high-density 25G and 100G interfaces. Each switch can save 40 W power in

Hot Interconnects: Arista Outlines Pathways to Energy-Efficient Optics ...

The design accommodates up to 16 × 2U switch blades with tool-less installation, tightly located liquid quick

Liquid Cooling

Global Switch was the first to bring liquid-cooled capacity to Hong Kong, delivering for the city's booming AI sector.

FS Introduces Future-Ready 200G Switch Solution for AI Storage and

This flexible deployment model enables cost-effective scaling and ensures consistent, low-latency performance for

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://benniedesignstudio.co.za>

Email: sales@benniedesignstudio.co.za

Phone: +27 82 391 4765

Address: The Towers, 1 St Georges Mall, Cape Town, 8001, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

