

Liquid-cooled switch SFP 2025 model



Overview

The panel is equipped with 1642*400Gbps SN-MT interfaces, 16 3. 2Tbps Optical Engines, and adopts 16 external ELSFP light sources. Webex spaces will be moderated by the speaker until June 13, 2025. Are pluggable optics dead or alive for the AI era?

Are pluggables relevant in the AI era?

Majority of the switch ports in AI back-end Networks to be 800 Gbps in 2025 and 1600 Gbps in 2027, showing a very fast migration to 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. This advancement is designed to significantly reduce energy consumption within data centers by tackling the heat generated by high-performance networking equipment. The centerpiece of this new Cisco switch is its sophisticated liquid cooling system. This system is engineered to cool up to 80% of. STORDIS and Edgecore Networks present the groundbreaking AIS800-640 switch at the 2025 OCP EMEA Summit. 8*100GE ports are not available in low latency mode. and are trademarks or registered trademarks of Huawei Technologies Co.

Article Content

Iceotope and Mellanox present first ever liquid-cooled

British cooling specialist Iceotope and American-Israeli networking vendor Mellanox have joined forces to create industry's first network switches to

Cisco Liquid Cooling: AI Forces a Major Pivot in 2025

Discover how AI forces Cisco's liquid cooling pivot in 2025. Explore the strategy for next-gen AI data centers and the partnerships driving this massive shift now.

What Is an SFP Port on a Gigabit Switch?

What is the SFP port on the Gigabit switch? SFP port vs. RJ45 port, what are the differences? This article gives detailed information about SFP ports.

OSFP1600_and_OSFP-XD

As shown below, the OSFP-XD provides excellent cooling for optics modules up to 40W. Snapshot from 1U System-level Thermal Simulation Illustration of example cage venting and normative Impedance

Arista developing liquid-cooled network switches

Networking firm Arista is developing liquid-cooled switches and racks. As reported by NetworkWorld and Converge Digest, the company outlined its

Understanding SFP Switches: The Essential Guide to Fiber and

This guide explains SFP switches in detail, covering their functionality, advantages, and comparison with older networking models. Moreover, switches are critical in ensuring seamless and

Dec 2025 Edition

Integrated delivery of the liquid-cooled cabinet Liquid-cooled switching node 51.2 Tbps liquid-cooled switch integrated with the liquid-cooled cabinet, 2x liquid cooling heat dissipation ratio

OCP Global Summit 2025, FIT Unveils 224G CPC Interconnect and

For the first time, FIT will dynamically demonstrate its 224G OSFP Cold Plate Liquid Cooling Solution. This solution is designed to maintain server stability under extreme thermal loads while significantly

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 technology path before launch, we invite you to assess, plan, and pave the

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 Networks QFX Series Switches.

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

Proactively manage risk: Advanced leak detection, corrosion prevention technologies, and comprehensive monitoring capabilities are being engineered directly into liquid-cooled switch

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 innovation features Cisco's intelligent leak detection ...

An introduction to SFP ports on a Gigabit switch

An introduction to SFP ports on a Gigabit switch SFP ports enable Gigabit switches to connect to a variety of fiber and Ethernet cables and extend switching functionality throughout the

Immersion Liquid Cooling Optics - GIGALIGHT

GIGALIGHT provides 10G to 800G immersible pluggable active optical cable (AOC) with SFP, QSFP+, QSFP28, QSFP56, QSFP-DD, OSFP form factor for immersion liquid cooling

CIOE2025 Part 2: Silicon Photonics and CPO of Ruijie

On-site demonstration of the 51.2T NPO liquid-cooled switch AISC°. The panel is equipped with 1642*400Gbps SN-MT interfaces, 16 3.2Tbps Optical Engines, and adopts 16 external

What is Liquid Cooled Switch?

A liquid cooled switch is an advanced networking device designed for data centers, utilizing liquid-based cooling systems to dissipate heat more

Small Form Factor Pluggable (SFP) Modules: Guide

Discover Small Form Factor Pluggable (SFP) modules, their types, uses in data centers and telecom, key vendors, and future market trends.

SFP Optical Transceiver Launch Strategies: Defining the New

In 2025, SFP optical transceivers redefine performance with intelligence, efficiency, and resilience—powering smarter, greener, and more reliable optical networks worldwide.

Data Centers With Direct Liquid-Cooled Servers:

Data centers worldwide face rising electricity consumption, with a substantial portion used for cooling IT components. Traditional air-cooling

25G SFP28 850nm Immersion Liquid Cooling Module | AscentOptics

Liquid Cooling Transceivers 25G SFP28 850nm Immersible Optical transceiver SFP-25MM85-1.5M-ILC is a single-Channel, Pluggable, Fiber-Optic SFP28 for 25 Gigabit Ethernet and Infiniband EDR

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 cooling technology in promoting innovation of network devices.

Cisco SFP Modules for Gigabit Ethernet Applications

This data sheet describes the benefits, specifications, and ordering information for the Cisco SFP Modules for Gigabit Ethernet Applications.

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

BRKOPT-2699

Majority of the switch ports in AI back-end Networks to be 800 Gbps in 2025 and 1600 Gbps in 2027, showing a very fast migration to the highest speeds available in the market.

SFP Transceiver Basics: What Every Network Engineer

SFP transceivers provide flexible network connections. Understand types, compatibility, and selection tips every network engineer should know.

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

Cisco's 51.2T liquid-cooled switch represents a significant leap forward in data center technology. By integrating direct-to-chip liquid cooling, the company is not only

OFC 2025 unveils 1.6T networking innovations

The alliance also highlighted Ethernet innovations for next-generation networks. These include 224 Gbits/s electrical signaling, LPO, liquid cooling, and a range of interconnects, such as

The Ultimate Guide to SFP Modules (2026): Types,

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the right

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