

Delivery Date Liquid-Cooled Switch SFP



Overview

October 6, 2025 By Redding Traiger Leave a Comment Alpha Networks Inc. 6T liquid-cooled switch equipped with the Broadcom Tomahawk 6 chip to deliver up to 102. 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. Designed for AI/cloud data center and high-performance computing (HPC). The MPU (Network Processing Unit): A proprietary Cisco silicon, specifically designed for high-speed network processing. The Front-End Optics: These are responsible for the high-speed data transmission at the switch's edge. 2Tbps, but it also will usher in significantly faster HPC interconnect speeds to keep pace with solutions like the NVIDIA Spectrum-X we showed in. Cisco Systems Inc.



Article Content

Alpha Networks Launches 1.6T Liquid-Cooled Switch

Alpha Networks, the leading supplier of network communication solutions, announced the launch of its newly developed 1.6T liquid-cooled

Liquid-Cooled Optical Transceivers for 800G/1.6T

Liquid-cooled optical transceivers enable efficient 400G–1.6T interconnects for data centers, AI clusters, and HPC.

What Are SFP Ports Used For: Everything You Should Know

After knowing the different types of SFP ports, let's target what are SFP ports used for. What Are SFP Ports Used For What are SFP ports used for? Generally, SFP ports are used to

800G OSFP Liquid Cooling Optical Transceiver Modules | AscentOptics

800G OSFP Liquid Cooling Product Descriptions AscentOptics" 800G OSFP optical transceivers with two-phase immersion cooling (2PIC) are fully compliant with the latest OSFP MSA standards. The

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

Understanding SFP Port: A Guide to Gigabit Ethernet

Overview of SFP Ports SFP ports are commonly found in switches, routers, network interface cards (NICs), and other networking equipment. They

HPE Slingshot 400 Brings a Liquid Cooled 51.2T

The switch itself is made for HPE's liquid-cooled supercomputing platforms. As such, and as something different from other 51.2T switches, it is

What is an SFP Port on Gigabit Switch? Types,

Discover what an SFP port on a Gigabit switch is, types of SFP ports, their differences from RJ45 ports, benefits, use-case examples, and future trends.

Cisco targets high-speed AI networking with 102.4Tbps chip, liquid ...

Cisco said the systems deliver 102.4Tbps switching speeds and are aimed at customers building large AI fabrics. The new systems will be available in both air-cooled and fully liquid-cooled...

What Is an SFP Port on a Gigabit Switch?

An SFP port (Small Form-Factor Pluggable port) on a Gigabit switch is a dedicated slot designed to support SFP modules, enabling flexible data

Cooling Fiber Optic SFP Links: Thermal Limits That Actually Matter

Field deployment scenario: liquid-cooled leaf-spine with SFP thermal drift Consider a 3-tier data center leaf-spine topology with 48-port 10G ToR switches, using SFP+ optics for server

Alpha Networks Adopts Latest Broadcom TH6 Chip for 1.6T Liquid

To meet the even more demanding cooling challenges of tomorrow, Alpha Networks' 1.6T liquid-cooled switch will not only help customers deploy infrastructure with even higher

Liquid-cooled switch delivers 102.4 Tbps switching

Larger cooling fins increase costs, rack footprints, energy consumption, and acoustic levels, presenting integration challenges for data

Data Center Ethernet Switch Connectors | Molex

To manage heat dissipation and maintain system stability, system designers look to liquid cooling and heat sinks as effective solutions. Molex provides the

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

By the time liquid-cooled switches reach commercial availability, facilities that have anticipated the shift will be ready to realize benefits immediately—energy savings, higher port

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.

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

What Are Next-Generation Liquid-cooled Switches Like?

The two types of liquid cooling used on a large scale in the data center field are cold-plate and submerged liquid cooling. Other types such as

Alpha : Unveils 1.6T Liquid-Cooled Switch at COMPUTEX 2025

With high-performance chips now entering the kilowatt-class era, conventional air-cooling systems face significant limitations in terms of size, cost, efficiency, and energy consumption. Alpha

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

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

HPE Slingshot 400 Brings a Liquid Cooled 51.2T

We saw the new liquid-cooled switch on the SC24 show floor. HPE Slingshot 400 Brings a Liquid Cooled 51.2T Switch and 400Gbps Networking

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

Switch deploys new hybrid air and liquid cooling design,

US data center firm Switch has launched a new data center design it claims can support up to 2MW per rack. The company has also expanded its

Everything You Need to Know about SFP Ports

Ascentoptics demystifies SFP ports for you! Explore how they facilitate high-speed communication between switches and network components.

SFP Transceivers Explained: The Ultimate Guide to

How Many Types of SFP Transceivers Do You Know? When laying the groundwork for or upgrading a network, it is vital to understand the different

What Are Next-Generation Liquid-cooled Switches Like?

In 2024, NVIDIA released the NVL72/NVL36 solution, which increased the demand for the construction of fully liquid-cooled data centers.

Alpha Networks switch supports up to 100,000 GPU

Designed for AI/cloud data center and high-performance computing (HPC) applications, the product addresses high-speed connectivity

What Is an SFP Port on a Gigabit Switch? Full Guide 2026

Learn what an SFP port is on a Gigabit switch, the types of SFP ports, SFP vs RJ45 differences, long-distance fiber options and real-world use

Liquid-Cooled Optical Transceivers for 800G/1.6T

This product line overcomes the limitations of traditional optical modules by maintaining reliability even under immersion depths of up to 10

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