

Liquid Cooling Plate for Switches

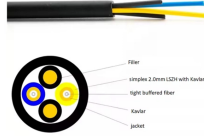


Overview

What is a Liquid Cold Plate?

A liquid cold plate is responsible for taking the heat from the device (s) and transferring it to a single-phase liquid coolant, circulating through internal channels of the plate and subsequently rejecting it downstream to a radiator. Today's rack switches are rapidly approaching their thermal limits with the jump to 400G, 800G, and. The Q3450-LD liquid-cooling system features two parallel cooling loops operating concurrently. 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 spray cooling have. Cofan's cold plates are designed for efficient liquid cooling in high-power electronics, including applications in power converters, battery management systems, and industrial automation.

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Powered by JetCool's patented microconvective cooling® technology, SmartPlates deliver precise, high-efficiency cooling directly to chip-level hot spots—reducing thermal resistance and improving system ...



The Liquid Cold Plates from Wakefield Thermal deliver superior cooling effects to hot electronic devices that cannot be easily managed by air cooling.



By extracting heat directly from ASICs and high-power components, it will unlock new levels of performance and efficiency. Cisco is leading this innovation with ongoing R&D into direct-to ...



The Q3450-LD liquid-cooling system features two parallel cooling loops operating concurrently. Liquid enters via two separate inlet ports and exits through two outlet ports.



Cold plates are a way to implement localized cooling of power electronics by transferring heat from the device to a liquid that flows to a remote heat exchanger and dissipates into either the ambient or to ...



Liquid cold plates A liquid cold plate (LCP) serves as a critical interface within a liquid cooling system, guiding pumped fluid to heat sources and transferring waste heat into the coolant for subsequent ...



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Advanced Cooling Technologies designs high-performance liquid cold plates for efficient thermal management for high-heat flux & power electronics.



To address these thermal demands, Molex Integrated Floating-Pedestal Cold Plates cool multiple I/O ports with a single liquid cold plate, using independent spring-loaded pedestals to maintain ...

Contact Us

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