

## How to connect a liquid-cooled server to a switch



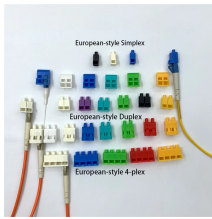
### Overview

Big thank you to Cisco for sponsoring my trip to the Cisco Partner Summit and for sponsoring this video! See how Cisco uses direct-to-chip liquid cooling to m. 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 IT, facility, and power teams will need to work together closely to deploy liquid cooling at existing facilities, as they will redesign buildings around rack, power, and cooling requirements. Simultaneously, the system can. DGX Grace Blackwell rack scale systems are rack scale solutions for graphics processing units (GPUs) connected by NVLink through the NVLink passive copper cable cartridge backplane. Direct liquid-cooled - heat is transferred directly to an attached liquid-cooled heat transfer component, such as a cold plate or immersion cooling.

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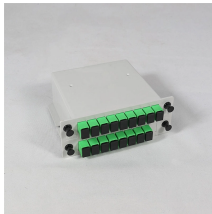
The complete DGX GB rack system comprises compute trays with one or two compute boards, NVLink switch trays, an NVLink passive copper cable backplane, power shelves, a bus bar, ...



Our streamlined process helps you quickly configure liquid cooling components with just four key inputs: rack layout, port quantity, quick disconnect type, and material/seal preferences.



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Take steps now to modernize your facility and thermal management strategies for tomorrow's liquid-cooled switches. Meet with your Cisco team or partner to discuss how to design, ...



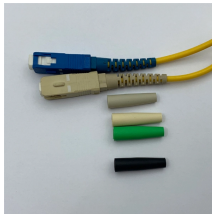
Liquid-to-liquid cooling, where liquid lines cool both chips and racks, is extremely effective but requires liquid lines, valves and connections for every rack position throughout a facility.



This guide discusses how to take a 1 MW IT load that is currently air cooled and add the incremental liquid cooling infrastructure to create a hybrid system (hereafter called hybrid cooling infrastructure).



With the support of UniSystem, users can monitor and manage liquid-cooled servers, CDUs, and liquid-cooled switches uniformly to ensure efficient, safe, stable operation and enhance overall data center ...



Initialize an E9000 on a local PC. For details, see the FusionServer Pro E9000 Server V100R001 User Guide.



The Supermicro liquid-cooling rack solution includes standard 1.25-inch CDU hose kit connections. The hose kit design makes it easy to connect racks directly to data center's primary water supply or ...



In this paper, we will take a deep look at direct liquid cooling, the ecosystem that enables it, and how the thermal resistance of the cooling solution impacts the fluid temperature required at the facility.

## Contact Us

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