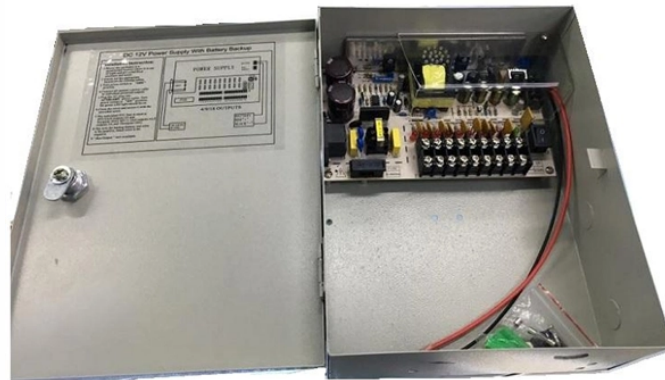


Congo Liquid-Cooled Switch LPO



Overview

Key breakthroughs include:

- 128×800G high-density ports supporting Ruijie's self-developed LPO silicon photonics modules
- Two-tier architecture supports up to 30,000 cards per plane, reducing devices by up to 40% vs. traditional 400G setups
- Dual cooling support (air and. The demonstration showcases the next generation of high-performance connectivity, featuring support for cutting-edge 200G-per-lane 1. 6Tbps Linear Pluggable Optics (LPO), Linear Receive Optics (LRO) Fully Retimed Optics (FRO), It highlights seamless interoperability between advanced 1. 6T optics and. Arista Networks co-founder Andreas Bechtolsheim used his keynote at IEEE Hot Interconnects 2025 to highlight how Linear Pluggable Optics (LPO) and new rack designs can dramatically cut power consumption in AI-scale networks. During their Analyst Day event, co-founder Andreas Bechtolsheim detailed the company's focus on developing fully liquid-cooled. Networking firm Arista is developing liquid-cooled switches and racks As reported by NetworkWorld and Converge Digest, the company outlined its plans at the recent Hot Interconnects conference and its recent analyst day.

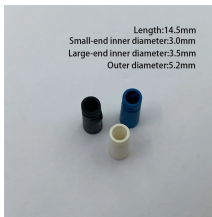
Congo Liquid-Cooled Switch LPO



Arista Networks shared some of its plans to deliver liquid-cooled switches and racks that can significantly reduce power consumption in enterprise AI networks.



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



Arista Networks has recently announced plans to implement liquid-cooled switches and racks designed to significantly reduce power consumption in enterprise AI networks.



Cooling such a system is easier than cooling an equivalent switch with dozens of 15W pluggable devices. Still, a 51.2T CPO switch will dissipate significant heat with its concentrated ...



The design accommodates up to 16 × 2U switch blades with tool-less installation, tightly located liquid quick disconnects, and generous space for cable management. Removing fans in liquid ...



By combining a dual-paddle mechanical architecture, integrated liquid-cooling cold plate, clean linear electrical channel, and high-voltage power delivery, XPO dramatically increases optical density while ...



The design accommodates up to 16 × 2U switch blades with tool-less installation, tightly located liquid quick disconnects, and generous space for cable ...



Scan this QR code to access the live session audio player. Choose this theater and connect your headphones to begin listening.



Features a live demonstration of a prototype liquid cooled switch that contains liquid cooled eXtra Dense Pluggable Optics XPO modules. It also showcases modules, connectors and components from ...



Removing fans in liquid-cooled switches can reportedly save 5–10 percent of power, reduce vibration, and improve reliability. “In conclusion, AI data centers need liquid-cooled switches.



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, ...

Contact Us

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