

# **Inquiry from South Korea regarding liquid-cooled OSFP switches**



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“All large AI data centers will be liquid cooled and the switches that go into these data centers also need to be liquid cooled,” Bechtolsheim and ...



The present disclosure includes various embodiments of pluggable modules with liquid cooling approaches that provide substantial cooling enhancement relative to conventional air cooling ...



Liquid cooling technology, leveraging its higher thermal conductivity efficiency and energy-saving advantages, has been introduced into the optical module field, becoming a key ...



The OSFP MSA is proud to introduce OSFP1600 and OSFP-XD to the industry. This whitepaper highlights the key aspects and features of each solution with the expectation that both solutions will ...



Together, the Mini-QD initiative and the UQD v2 specification support the growing demand for reliable, interoperable liquid cooling components in AI and high-performance computing ...



This article introduces two thermal designs for OSFP IHS and OSFP RHS optical modules, explaining their main differences in structure, heat dissipation methods, ...



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 ...



With deep expertise in both air-cooling and cold plate liquid cooling technologies, we partner with leading equipment manufacturers to develop advanced, reliable thermal management systems for ...



Any optical interconnect solution that cannot integrate efficiently with a liquid-cooled environment is therefore fundamentally unsuitable for next-generation AI data center deployments.



This article introduces two thermal designs for OSFP IHS and OSFP RHS optical modules, explaining their main differences in structure, heat dissipation methods, and system integration.



By selecting the right OSFP form factor based on cooling strategy (air vs. liquid) and system layout, operators can maximize module performance, thermal efficiency, and energy savings.



“All large AI data centers will be liquid cooled and the switches that go into these data centers also need to be liquid cooled,” Bechtolsheim and Vusirikala stated.

## Contact Us

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