

## Imported air-cooled switch OSFP



### Overview

Designed specifically for OSFP (Octal Small Form-Factor Pluggable) applications, these modules leverage advanced aluminum heat sink technologies—including extruded, skived fin, and zipper fin designs—optimized for forced-air environments. 32 OSFP Ports, Can Use Breakout for 64× 400GbE or 128× 200GbE 25.6 Tb/s Aggregate Switch Throughput, More Than 66.5 Billion Packets per Second 1+1 Hot-swappable Power Supplies, 6+1 Hot-swappable Fans Support SHARPV3, Adaptive Routing, Congestion Control and QoS, Self-healing Networking Support Fat. Cofan's air-cooled OSFP thermal modules are engineered to meet the growing thermal demands of next-generation AI servers and high-speed telecommunications infrastructure. The parallel multimode, short reach 8-channel (SR8) uses 100G-PAM4 modulation and has a maximum. OSFP-IHS is the standard and most widely deployed OSFP thermal solution. In this design, the heat sink is fully integrated into the optical module itself, allowing the module to dissipate heat independently. 6T optical transceivers, not only because of its electrical and mechanical scalability, but also because it was designed from the outset to support higher power envelopes through. OSFP

(Octal Small Form-factor Pluggable), as a mainstream high-speed packaging format, offers two main thermal solutions: OSFP IHS (Integrated Heat Sink) and OSFP RHS (Riding Heat Sink). This article will explain the differences between the two designs to help users choose the appropriate product.

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This switch use connector cages that house two 400Gb/s ports in a single cage called 2x400G (800G) twin-port OSFP and are used exclusively in these air-cooled switches.



The NVIDIA Quantum-2-based MQM9790-NS2F switch comes with 64 400Gb/s ports on 32 physical octal small form-factor pluggable (OSFP) connectors that can be split to deliver up to 128 200Gb/s ...



Compare OSFP-IHS and OSFP-RHS thermal designs for 800G and 1.6T optical modules. Learn how to choose the right OSFP solution for air-cooled, liquid-cooled, and AI data center ...



Finned Top OSFP-IHS works well in traditional air-cooled switches with strong, uniform airflow. Closed Top OSFP-IHS is preferred in high-density switches where airflow control and ...



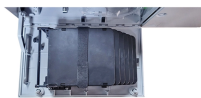
This article introduces two thermal designs for OSFP IHS and OSFP RHS optical modules, explaining their main differences in structure, heat dissipation methods, ...



Both switches use the same Twin port, 2x400G OSFP plugs for transceivers, copper DACs and ACCs, and are only used in Quantum-2 and Spectrum-4 OSFP air-cooled switches.



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.



Finned-Top Ospf 2xmpo/APC up to 50m Switch-Side Air-Cooled Twin-Port 850nm Transceiver, Find Details and Price about 800GB/S 2xndr 2xsr4 Mellanox MMA4z00-Ns Broadcom from Finned-Top ...



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Ideal for air-cooled OSFP switches, such as standard Ethernet switches relying on chassis fan airflow for cooling. Suited for hybrid cooling setups, like NVIDIA DGX H100 Cedar systems connecting to air ...



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 ...



Cofan's air-cooled OSFP thermal modules are engineered to meet the growing thermal demands of next-generation AI servers and high-speed telecommunications infrastructure.

## Contact Us

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