

Door-to-door transport of liquid-cooled OSFP switches



Summary of Content

Transporting liquid-cooled OSFP switches requires careful handling, secure packaging, and protection of liquid-cooling interfaces to maintain thermal integrity and prevent damage.

Key Considerations for Transport



Article Content

OSFP Thermal Solutions | Cofan Thermal

Supporting optical transceivers from 800G up to 3.2T, Cofan's solutions are also adaptable to both air- and liquid-cooled systems,

OSFP Compatible Switches: 2026 Vendor Guide for 400G/800G

Complete OSFP compatible switches guide covering Cisco, Arista, Juniper, NVIDIA. 400G/800G platform

OCP OAI S L COOLING OCP OAI S

For an OAM product in liquid cooling environment, its overall thermal resistance from junction to coolant consists of a variety of

Form Factors | Juniper Networks

OSFP and OSFP-RHS are two different form factors. You cannot have a common host for these optical transceivers.

800G OSFP Packaging

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

Product Demo | OSFP 2x8 Belly to Belly Liquid Cooling Demonstration ...

Watch now to see how we're pushing the boundaries of cooling technology! This demo from DesignCon 2025 highlights how we're

Finned OSFP & Immersion-Ready Optics for Liquid Cooling | Topnet

OSFP modules come in two mechanical variants. The finned top integrates a heat sink directly on the module shell and is used in air

Choosing the Right OSFP: Balancing Performance and Thermal

Choosing the right OSFP package ensures: Maximum airflow utilization in air-cooled systems Efficient heat transfer in liquid-cooled

Exploring the Future of AI Networking: Liquid-Cooled Switches on the ...

Imagine a data center where even the most powerful switches run cool and stable—without noise, thermal throttling,

Industry First 1.6T Liquid Cooled Switch: QFX5250-64OE-L

Its combination of 64 x 1.6T Ethernet interfaces, flexible breakout options, liquid-cooled efficiency, and AI-optimized

=> Liquid Cooling for Optical Networking Equipment, Ciena, DC ...

OGAWA, Tadashi (@ogawa_tter). => Liquid Cooling for Optical Networking Equipment, Ciena, DC Sustainability,

Product Demo | OSFP 2x8 Belly to Belly Liquid Cooling Demonstration ...

Highlights Product Demo | OSFP 2x8 Belly to Belly Liquid Cooling Demonstration | DesignCon 2025 This demo from DesignCon

Door-to-door transport of air-cooled switches OSFP

Both switches use the same Twin port, 2x400G OSFP plugs for transceivers, copper DACs and ACCs, and are only used in

Exploring the Future of AI Networking: Liquid-Cooled Switches on the ...

Cisco is actively innovating in direct-to-chip liquid cooling for high-performance switches, laying the groundwork for

Liquid Cooling Integration and Logistics White Paper

Liquid cooling using cold plates cooling technologies has been the focus of many technology papers and industry guidelines. It is

800G OSFP IHS vs RHS: Complete Selection Guide

Choose the right 800G OSFP form factor for AI data centers. IHS vs RHS architecture,

ACS Liquid Cooling Cold Plate Requirements Document

Introduction This document outlines the requirements related to Liquid Cooling Cold Plate technology, which may be used in the

1.6T OSFP RHS (Riding Heat Sink)/Flat-Top Optical Transceiver:

A: OSFP RHS / Flat-Top designs should be prioritized when switches adopt liquid cooling architectures, operate at

NVIDIA MMS4A20 800Gbps, DR4 Single-port OSFP,

It is used to link the Quantum-X800 QM3x00 switches using Twin-port OSFP 2x800Gb/s

OSFP MSA Rev 5

Abstract: This specification defines the electrical connectors, electrical signals and power supplies, and mechanical and thermal

Exploring the Future of AI Networking: Liquid-Cooled Switches ...

Exploring the Future of AI Networking: Liquid-Cooled Switches on the Horizon Imagine a data center where even the most powerful

Product Demo | OSFP 2x8 Belly to Belly Liquid Cooling ...

This demo from DesignCon 2025 highlights how we're simplifying high-density cooling. Our innovative

From Airflow to Liquid Cooling: A Deep Dive into 800G

By selecting the right OSFP form factor based on cooling strategy (air vs. liquid) and

What Are Next-Generation Liquid-cooled Switches Like?

Three Difficulties in Designing Liquid-Cooled Switches Difficulty 1: The switch cold plate system belongs to “three

Advanced Thermal Management Strategies | Molex

Thermal management plays a pivotal role in enhancing the reliability and efficiency of high-power pluggable optical modules. Explore

Deep Dive into Direct Liquid Cooling

What is Direct Liquid Cooling? At a high level, liquid cooling refers to any cooling technology that brings liquid, such as water or

OSFP IHS (Integrated Heat Sink) vs OSFP RHS (Riding Heat Sink ...

Learn the differences between OSFP IHS (Integrated Heat Sink) and OSFP RHS (Riding Heat Sink) transceivers,

Immersion Liquid Cooling Modules | AscentOptics

This cable series the lack of optical transceivers which perform reliability in immersion even liquid immersion depth up to 10m, the

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