

# **Direct Sales of Liquid-Cooled Switches QSFP**





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### **GIGALIGHT Launches Immersion Liquid-Cooled Optical Extenders to**

September 22, 2025, Shenzhen, China. - Since pioneering the industry's first immersion liquid-cooled optical module in July 2021, GIGALIGHT has successfully built a complete portfolio of liquid-cooled

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### **Connectors and Cages**

QSFP-DD cages in switches can accept QSFP112, QSFP56, and QSFP28 devices using 50G-PAM4 or 25G-NRZ modulation. QSFP112 cages in adapters and DPUs can accept QSFP56,

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### **Immersion Cooled AOC : 400G QSFP112 SR4 Liquid Immersion**

JTOPTICS® Liquid-Immersion-Cooled 400G QSFP112 SR4 Active Optical Cable (AOC) is purpose-built for next-generation immersion-cooled data centers and high-performance computing environments,

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### **Stäubli Drives Next-Generation Liquid Cooling Standards for AI Data**

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



### Understanding SFP and QSFP Ports on Switches

Learn about SFP and QSFP ports on switches in this informative article. Help you understand the core concepts of switches.

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### Solving Cooling Interconnects for Next-Gen Data

Conventional air-cooled heat sinks are replaced with liquid-cooled cold plates, which directly contact the top surface of each pluggable module to

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### Immersion Liquid-Cooled Optical Transceivers for the Next-Generation

Engineered for Immersion. Unlike conventional optical modules, Optech's immersion liquid-cooled transceivers are engineered with materials and construction techniques that ensure long-term

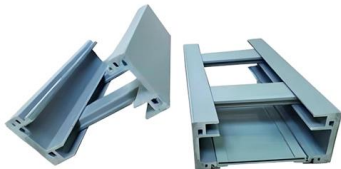
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### From Airflow to Liquid Cooling: A Deep Dive

Flat-top Flat-top For fully liquid-cooled OEM systems or back-to-back adapter testing.  
Example: Environments where air cooling is no longer

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### Connectors and Cages

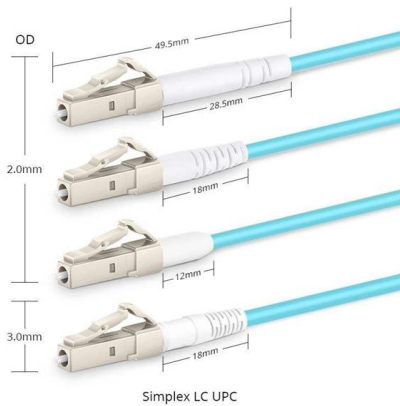
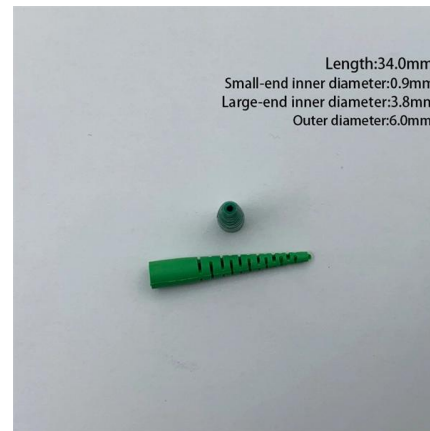
Based on 8-channels of 50G-PAM4, QSFP-DD is used only in Spectrum-3 SN4000 400G Ethernet and Spectrum-4 SN5400 switches. 200G QSFP56 is used for 4-channels of 50G

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### Iceotope and Mellanox present first ever liquid-cooled

British cooling specialist Iceotope and American-Israeli networking vendor Mellanox have joined forces to create industry's first network switches to

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### Stäubli launches Mini-QD connector

The Mini-QD represents a shift towards liquid cooling at the component level, allowing direct thermal management of next-generation optical

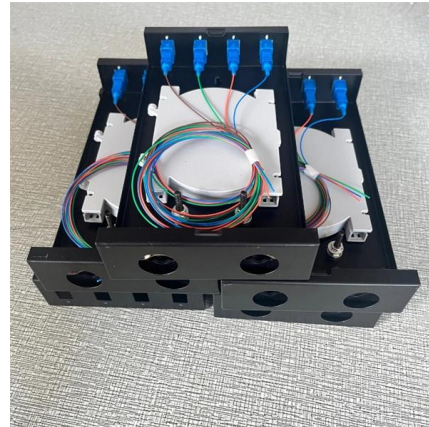
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## QSFP and QSFP+ Interconnect Solutions

QSFP and QSFP+ Interconnect Solutions A Quad Small Form-factor Pluggable (QSFP+) solution designed for high-density applications Molex's quad small form-factor pluggable (QSFP+)

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## Gigalight Liquid-Cooled Optics: A Thematic Study on

Conclusion Gigalight's immersion liquid-cooling extenders and silicon photonics liquid-cooled optical modules represent the future of optical

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## What is Liquid Cooled Switch?

A liquid cooled switch is an advanced networking device designed for data centers, utilizing liquid-based cooling systems to dissipate heat more

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WebiTelecomms Cabling

## Redefining liquid cooling from the server to the switch

BT kicked off the trials with a network switch cooled using Iceotope's Precision Liquid Cooling technology and Juniper Networks QFX Series Switches.

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## Understanding QSFP Switches: A



## Comprehensive

Explore the latest QSFP switches for modern network solutions with this comprehensive guide. Learn about port configurations, features, and more.

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## US20210112683A1

More particularly, the present disclosure relates to systems and methods for liquid cooling high-density network pluggable modules for use in networking, storage, computing, and the like network

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## Cold Plate Cooling Investigation for High-Speed Electronic Interconnect

Fan cooling solution which was conventionally used for QSFP-DD is no longer adequate to meet the demanding thermal management requirements. In the current work, water-cooled cold

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## 2023 QSFP-DD MSA Thermal Whitepaper Final (for approval)

This whitepaper offers comprehensive details of QSFP-DD1600 performance enhancements achieved by both module and system designers. Various analyses show the evolved cooling capabilities of 64

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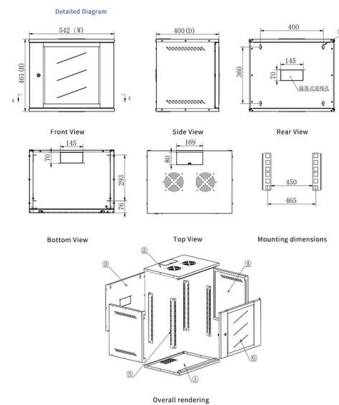




## Solving Cooling Interconnects for Next-Gen Data

Amphenol's liquid-cooled solution for front-panel pluggables is available for OSFP in a 1x8 ganged configuration and QSFP-DD in a 2x8 ganged

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

Cisco is leading this innovation with ongoing R&D into direct-to-chip liquid-cooled switching platforms. By connecting you to this technology path before launch, we invite you to assess, plan, and pave the

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## QSFP-DD

The QSFP-DD Specification has been developed and refined by many companies within the QSFP-DD MSA group and released to the public.

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## 4 Types of Liquid Cooling Solutions: Which One is Right

Whether you opt for direct-to-chip cooling, immersion cooling, rear door heat exchangers, or overhead liquid cooling, each has its own set of benefits

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## Immersion Liquid Cooling Optics -



GIGALIGHT provides 10G to 800G immersion liquid cooling direct attach cable (DAC) products for immersion liquid-cooled data centers, supporting various package types such as SFP+, SFP28,

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### How to Achieve Interconnection Between OSFP and QSFP-DD Ports?

QSFP-DD and OSFP port switches can be interconnected using QSFP-DD modules and OSFP finned-top modules. Beyond direct 400G-to-400G connections, interconnection between the

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### Arista touts liquid cooling, optical tech to reduce power

Arista executives discuss liquid-cooled networking gear and support for Linear Pluggable Optics to achieve power and cost optimization for AI data

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### Interesting. Cisco shows off its liquid-cooled switch. , Rich Miller

At Cisco's 2025 GSX, the industry witnessed the unveiling of the "first direct-to-chip liquid cooling 51.2T switch." This groundbreaking innovation features Cisco's intelligent leak detection

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## QSFP-DD Power & Thermal Management Guide for Data Centers

Complete QSFP-DD power and thermal guide with module power data, rack calculations, AI cluster planning, and cooling strategies for 400G and 800G deployments.

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