

Ireland Liquid-Cooled Switch QSFP



Overview

QSP-100M485-1HCM-ILC is a Four-Channel, Parallel, -Optic QSFP28 transceiver for 100G Base-SR4 Ethernet Applications. This transceiver is a high performance module for short-reach multi-lane data communication and interconnect applications especially for liquid immersion environment. QSFP-DD is a new module and cage/connector system similar to current QSFP, but with an additional row of contacts providing for an eight lane electrical interface. It is being developed by the QSFP-DD MSA as a key part of the industry's effort to enable high-speed solutions. QSFP-DD extends the use. High-performance data center and AI workloads are power-intensive, outpacing efficiency improvements in air-cooling technology. From liquid cooling and quick connect systems to advanced data acquisition and instrumentation solutions, our portfolio is designed to meet the evolving. GIGALIGHT provides the smart box tools for online coding of SFP, XFP, SFP+, QSFP+, and QSFP28 optics, as well as wavelength tuning for 10G tunable XFP/SFP+ optical transceivers. GIGALIGHT provides a series of BER testing tools (checker) for 10G SFP+, 25G/32GFC SFP28, 40G QSFP+, 100G QSFP28, 200G. HPE Slingshot provides a modern, high-performance interconnect for HPC and AI clusters that delivers high-bandwidth and low-latency for HPC, ML, and analytics applications by bringing together the specialized requirements of HPC-optimized fabrics with the ubiquity of Ethernet. The deployment appeared flawless according to the project documentation.

Article Content

Immersible-400G

GIGALIGHT's 400G QSFP-DD/OSFP liquid cooling optical module is designed for use in submerged data center 400GBASE-SR8 Ethernet links. It adopts 50G

Data Centres

Hanley Controls offers a comprehensive range of products and systems to support efficient, scalable, and high-performance data centre cooling.

QSFP-DD Optical Transceivers for High-Speed Connections

This flexibility enables switch and routing designs that optimize airflow, network performance, and power and cooling efficiency. As a result, QSFP-DD ports can enable 400G and 800G modules to operate

100G QSFP28 Immersion Liquid Cooling AOC 1-Meter | AscentOptics

100G QSFP28 Immersion Liquid Cooling AOC is a 100G SR4 transceiver with 4 lanes, 850nm wavelength, supporting 70m OM3 and 100m OM4 fiber - AscentOptics.

High-Speed Hardware and Immersion Cooling Solutions | FIBERSTAMP

Immersion Cooling Extender Features Significant CAPEX savings for immersion liquid-cooling data centers Support 40G/100G/200G QSFP transceivers or AOC with QSFP-QSFP flat cage 30AWG

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

Immersion Cooling Solution

immersion cooling solution c Liquid Cooling is changing the way you cool your data center, by eliminating the need for traditional air-cooling infrastructure. A small

QSFP-DD CONNECTORS & CABLE ASSEMBLIES PRODUCT

The QSFP-DD portfolio's backwards compatibility allows existing QSFP modules to be plugged into QSFP-DD ports. Our QSFP-DD cages feature a proprietary heat sink design, making them the only

HPE Slingshot 200Gb 64-port QSFP-DD 1U Switch | HPE Store Ireland

The HPE Slingshot switch is offered as a direct liquid-cooled blade in the HPE Cray EX supercomputer, and a 1U top-of-rack form factor for HPE Apollo and ProLiant clusters, across a wide range of

SFP vs QSFP: Key Differences and How to Choose for

SFP is still common in 1G/10G/25G access networks, while QSFP dominates 40G/100G/200G/400G backbone and AI/HPC clusters. This article breaks down

[100G QSFP28 850nm Immersion Liquid Cooling Module | AscentOptics](#)

100G QSFP28 Immersion Liquid Cooling module is a high performance module for short-reach and interconnect in liquid immersion environment - AscentOptics.

[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.

[Immersion Liquid Cooling Optics - GIGALIGHT](#)

GIGALIGHT provides the smart box tools for online coding of SFP, XFP, SFP+, QSFP+, and QSFP28 optics, as well as wavelength tuning for 10G tunable XFP/SFP+ optical transceivers.

[HPE Networking Comware Fan Module QSFP-DD 400G](#)

HPE Networking Comware Fan Module QSFP-DD 400G Port-to-Power 5965 supports optimal airflow and cooling for 400G Comware switches. Maintain peak performance today.

[Ethernet Network Data Switches](#)

[S7300-48TE4X2Q, 48-Port Multi-Gigabit Ethernet L3 Switch, 48x 100M/1000M/2.5GBASE-T RJ45 Ports, with 4x 10G SFP+ and 2x 40G QSFP+ Uplinks, Support Stacking, BGP](#)

[HPE Slingshot 200Gb 64-port QSFP-DD 1U Switch for Cray System](#)

Designed as a Solution The HPE Slingshot switch is offered as a direct liquid-cooled blade in the HPE Cray EX supercomputer, and a 1U top-of-rack form factor for HPE Apollo and ProLiant clusters,

[2025 SFP vs QSFP Port on Switches: Key Differences, Benefits, Cases](#)

Discover the differences between SFP and QSFP port on switch. Learn about speed, bandwidth, transmission distance to choose for your enterprise or data center.

[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.

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

U.S. Patent Application for Liquid cooling high-density pluggable ...

Liquid-cooling could help to keep the power contacts cool and increase the power capacity. For an integrated coldplate 330, the liquid and electrical connections can be integrated in a

BT to test liquid cooling, including a Juniper/Iceotope

BT is testing liquid cooling techniques including network switches provided by Iceotope and Juniper, and new immersion players. The tests include

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

Air Cooling and Water Cooling for Data Center High-Speed I/O ...

Quad Small Form-factor Pluggable-Double Density (QSFP-DD) high-speed I/O interconnect system is the smallest form factor being able to support ultra-high data s

NEXT-GEN DATA CENTER INFRASTRUCTURE RAISES THERMAL

SFP-DD cage can receive two optical or electrical cable assemblies. An array of high-speed, high-density solutions revolving around various small form-factor pluggable modules, such as SFP, SFP+,

HPE Slingshot 200Gb 64-port QSFP-DD 1U Switch | HPE Store Ireland

The high-radix 64 port HPE Slingshot switches enable low-diameter topologies that reduce the quantity of HPC network equipment, cabling, and lower power and cooling costs, while scaling up to 250,000

Immersion Liquid Cooling Interconnect Solutions

Superior Cooling Efficiency, Performance and Reliability Grows Fiber is perfect for the most demanding immersion liquid cooled data centers by testing each immersion

Liquid Cooling Solutions

Advanced Liquid Cooling Solution – Purpose-built thermal solutions for any cooling budget Professionally designed, built, & tested to meet the most demanding server/storage/data center

Contact Us

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