

Data Center Interconnect Liquid-Cooled Switch 100G



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. Majority of the switch ports in AI back-end Networks to be 800 Gbps in 2025 and 1600 Gbps in 2027, showing a very fast migration to the highest speeds available in the market. These challenges are forcing innovation to happen at all levels, including pluggable modules. But pluggable modules still. Imagine a data center where even the most powerful switches run cool and stable— without noise, thermal throttling, or energy waste. E810CAM2-2CP is Intel® E810-CAM2 based dual-port QSFP28 100G NIC, delivers full line-rate. As a result of continuous research and development efforts in energy-saving and sustainable solutions, Accton introduced a two-phase immersion-cooled 100G switch module for high-speed cloud computing.



Article Content

DynaNET 100G-01

The DynaNET 100G-01 is liquid cooled and has no vents nor moving parts, dramatically increasing reliability. Since it does not require any ventilation, the

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DynaNET 100G-01

The DynaNET 100G-01 is a high performance switch for Automotive and rugged applications, where extreme levels of performance, reliability and compactness

Data Center Liquid Cooling 25G/100G/400G/800G Optical Transceiver

This article will systematically introduce the application solutions and adaptation characteristics of C-LIGHT's 25G/100G/400G/800G series optical transceivers within liquid-cooled

NVIDIA HGX Platform: Data Center Physical

Learn the strict physical requirements for deploying NVIDIA HGX platforms from Hopper to Blackwell. Covers power (10-140 kW/rack), liquid cooling, rack design,

FS Intel 100G Data Center Solutions: NICs, Switches, and ...

Designed for scalability, flexibility, and performance assurance, this NIC enables faster data movement and efficient packet processing in modern data centers.

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Market dynamics Ethernet Data Center Switch Port Speed Transitions Ethernet Switch Ports 100G will sustain for a long time 400G still growing right now 800G will grow fast (likely 2x 400GbE)

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 Open Compute Project (OCP) environment. Liquid cooling technology is

Arista Networks develops liquid-cooled switches for data centers

At Arista Networks' recent Analyst Day event, co-founder Andreas Bechtolsheim said the company is developing 100% liquid-cooled switches and racks for enterprise data center customers. [https ...](https://www.arista.com/en/13454/analyst-day-2024)

Two-Phase Immersion-Cooled 100G Switch Module

In partnership with the world's most advanced semiconductor manufacturer, we are deploying our two-phase immersion-cooled 100G switch module and the SONiC open network operating system. A

100G Cloud Data Center switch

Explore Edgecore's high-performance 100G and 40G bare-metal data center switches for ToR and spine deployments. Featuring the industry's first OCP

StreetInsider

This rapid adoption, occurring just weeks after the project's public launch in March 2026, marks a decisive industry pivot toward standardized, liquid-cooled optical interconnects designed to

OpenAI and Oracle Announce \$30B Stargate Data

OpenAI's groundbreaking \$30 billion annual data center deal with Oracle under the Stargate initiative secures 4.5 GW of hyperscale AI compute

100G Data Center Switches: Driving the Future through Open

As AI advances, the 100G data center switch market is thriving. Navigating the open network trend and selecting the right switch can be challenging. In this article, we'll introduce you to

PRN_FinancialWrapper | PR Newswire

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Data center M& A 2024: A record-breaking year

Interest in liquid-cooled data centers rocketed in 2024. The latest and greatest GPUs from Nvidia are reaching a point where liquid cooling is a

Gigalight Liquid-Cooled Optics: A Thematic Study on

— The Data Center Revolution Driven by Liquid-Cooled Optical Interconnects 1. Research Background and Industry Trends 1.1 Thermal

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, or energy waste. Cisco is actively innovating in direct-to-chip

Two-Phase Immersion-Cooled 100G Switch Module

It can be deployed as a Top of Rack (ToR) switch or Leaf switch in a Clos network architecture, providing 100Gbps data transmission and a stable connection to the data center network.

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

High-radix, liquid-cooled fabrics are poised to interconnect future GPU and accelerator clusters at massive scale, unbound by heat limits. Facility designs that anticipate and accommodate

1,000+ Tajikistan Fob Liquid Cooled Switch 100g jobs in United States

Today's top 1,000+ Tajikistan Fob Liquid Cooled Switch 100g jobs in United States. Leverage your professional network, and get hired. New Tajikistan Fob Liquid Cooled Switch 100g

Immersion Liquid Cooling Interconnect Solutions

It is the most efficient data center server/switch high-speed interconnection solution. GrowsFiber's immersion cooling optical transceivers are widely used in data

Beyond Blackwell: Preparing Enterprise Data Centers for the NVIDIA ...

For most enterprise data centers built in the last decade, air-cooled infrastructure will not be sufficient. Direct-to-chip liquid cooling becomes a baseline requirement.

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.

Data Center & AI Infrastructure Stocks: Best REITs, Power, and ...

Research and screen data center and AI infrastructure stocks in one place — REITs, power management, cooling, networking, server hardware, and power utilities fueling the AI buildout with

NVIDIA Vera Rubin Achieves 40 Million Times More

NVIDIA has officially unveiled its next-gen AI data center platform called Vera Rubin, powered by the Rubin GPU and Vera CPU architectures.

Celestica Introduces New Family of 1.6TbE Data Center

Celestica (TSX: CLS / NYSE: CLS) introduced two 1.6TbE data center switches, the DS6000 (3RU) and DS6001 (2U hybrid-cooled), on October 10,

AI Data Center GPU Market Size, Share & 2031 Growth Trends Report

AI Data Center GPU Market Size & Share Analysis - Growth Trends and Forecast (2026 - 2031) The AI Data Center GPU Market Report is Segmented by Deployment Mode (Cloud Data

NVIDIA Rubin GPU: 336B Transistors, T Orders

NVIDIA GTC 2026 unveiled Rubin with 336B transistors, 288GB HBM4, and 50 PFLOPS. Plus the 7B Nebius-Meta deal. Full architecture

Contact Us

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