

Quanta rack-mount server cooling system



Overview

Connect cold plates from multiple servers and racks to a common condenser mounted outside of the rack room to simplify installation and reduce costs. The PolarRack™ system transfers heat from servers to efficiently cool data centers and cut energy costs by reducing the need for air. Powered by (2) Intel® Xeon® 6 processors and 8x NVIDIA HGX™ B300 GPUs. Powered by (2) Intel Xeon 6 CPU. (32) DDR5 RDIMM up to 6,400 MHz, (16) MRDIMM up to 8,000 MHz. Multiple storage options include 2. Flexible. Recently, we had the opportunity to head to Taiwan and check out the Quanta QCT QoolRack liquid-cooled rack solution with a little twist. The Cost-efficient 1U1P compute server with balanced architecture and expanded PCIe lane support. Inhouse OpenBMC for comprehensive management. Quanta possesses industry-leading data center product lines to offer a comprehensive portfolio of servers, storage devices and network switches, leveraging its rich experiences in product development, manufacturing, integration and optimization to help its data center customers meet next-generation. High-density HPC and AI clusters are pushing beyond what traditional air-cooled rack designs can comfortably support, especially as CPUs, accelerators, and memory subsystems draw more power in tighter footprints.



Article Content

Newsroom | QCT

Extended thermal solution at the rack level leads to better cooling efficiency SAN JOSE, Calif. - October 18, 2022 -

QuantaGrid D55X-1U-Hyperscale Products | QCT

Integrated server, storage, and network switch products into a single rack design based on hyperscale datacenter innovation.,QCT

Quanta QCT Server Systems | Hamburgnet

Find the right server hardware here. 1U-4U QuantaGrid and STRATOS rackmount servers from Quanta QCT.

PolarRak™ • QuantaCool

Reducing reliance on air conditioning improves energy efficiency and frees up power to add up to 15% more data servers. The

Quanta QCT QoolRack Liquid Cooling Intel Xeon Max Overview

The QCT QoolRack is the company's fully integrated rack solution. This is not a liquid cooling solution where you buy

Quanta Computer

QCT QoolRack liquid cooling solution offers rack-level liquid cooling to support higher power CPU and GPU clusters, enabling data

QuantaGrid-D43K | 1U Rackmount Server | QCT.io

High-density converged storage systems for various storage architectures and a range of I/O performance requirements. Open up

Server | Rackmount Server-Hyperscale Products | QCT

Open up datacenter networks by decoupling bare-metal switch and OS, offering flexibilities and scalability for network virtualization.

High Efficiency Data Center Cooling & Computer

Keep high-speed servers, PCs and processors cool with QuantaCool's patented no pump, no water heat

Quanta QCT QoolRack Liquid Cooling Intel Xeon Max

Here is a look at the tubes from the rack manifold that connects to the rear of a QuantaGrid

Quanta QCT QoolRack Liquid Cooling Intel Xeon Max Overview

Rather than treating liquid cooling as an add-on to individual servers, QoolRack is designed as an integrated rack

Rackmount Server | 1U -Hyperscale Products | QCT

Ultimate 1U Server with 4th/5th Gen AMD EPYC Performance Breakthrough AMD EPYC™ 9004 / 9005 Series Server processor with

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Data center and liquid cooling solutions for the age of generative AI San Jose, Calif., March 18, 2025 — Quanta Cloud

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Fully liquid-cooled, this rack-scale platform is purpose-built for the age of AI reasoning, delivering optimal

Rackmount storage servers

Buy Rackmount Servers, 1U, 2U, 3U, 4U Rackmount Storage servers, custom Quanta Servers, 2U Cluster Server & 1U, 4U Rack

Best Rack Mount Cooling Solutions for Your Servers

Choosing the right server rack cooling system involves a careful evaluation of your existing infrastructure, server

Rackmount Server | 1U -Hyperscale Products | QCT

High-density converged storage systems for various storage architectures and a range of I/O performance requirements. Open up

Rackmount Server | 2U -Hyperscale Products | QCT

Open up datacenter networks by decoupling bare-metal switch and OS, offering flexibilities and scalability for network virtualization.

Quanta QCT QoolRack Liquid Cooling Intel Xeon Max Overview

Quanta QCT's QoolRack platform is built for this environment, pairing rack-scale liquid cooling with Intel Xeon Max

Contact Us

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