



Uncomplicate Liquid Cooling

Reduce power consumption by 13% on average with JetCool's SmartPlate System for select 17th generation Dell PowerEdge servers—a best-in-class, self-contained liquid cooling solution that requires no external plumbing.

Deployed globally, SmartPlate System is backed by Flex and Dell's worldwide service and warranty programs.

— POWERED BY —
DELL Technologies

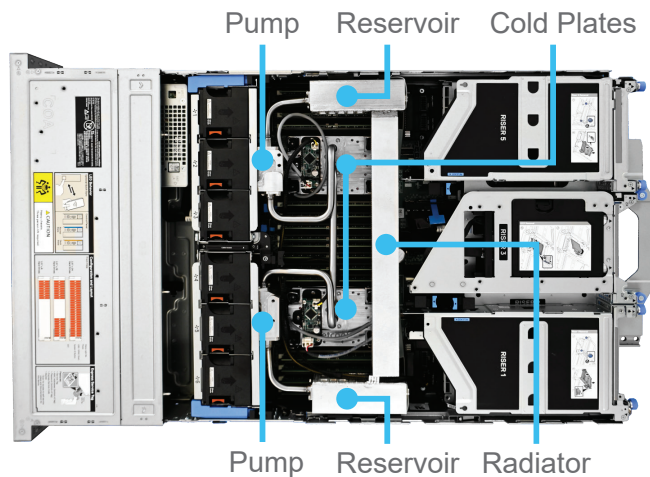


SmartPlate System

SmartPlate System is the liquid cooling solution of choice for finance and enterprise customers due to its **immediate time-to-value and minimal maintenance requirements**.

- Reduce total server power consumption by 13% on average, translating to 3.3 kW savings per rack.
- Mix and match air-cooled servers with SmartPlate System on the same rack, maximizing space utilization.
- SmartPlate System is available today in select Dell servers.
- No maintenance required for the service lifetime of the server.

SmartPlate System Design Dell PowerEdge R770



SmartPlate System Product Benefits

1

Reduce Power Consumption

Maximize energy efficiency with 13% average power savings compared to air-cooled servers handling the same workloads.

2

Run Cooler Chip Temperatures

Outperform traditional air-cooled servers with 15% cooler chip temperatures for the market's highest TDP chipsets.

3

Maximize Compute Density

Increase performance per square foot—deploy more servers per floor tile and unlock greater ROI within existing power budgets.

Liquid Cooling for PowerEdge Server Power Consumption

Rigorous performance testing was conducted comparing SmartPlate System against the stock air-cooled Dell PowerEdge R770. **SmartPlate System delivered 13% average total server power savings.**

	SmartPlate System	Air	Power Savings
Avg. Power Usage	1037 W	1200 W	163 W



High-Capacity Cooling

Efficiently manage extreme workloads, cooling up to 1,500 W in a 2U server.



Noise Reduction

Achieve a 60% quieter operation by reducing server fan speed.



Adaptable Environment Tolerance

Outperformed competitors by maintaining compute efficiency in ambient temperatures over 35°C.



Lower Upfront Costs

Offers up to 90% lower upfront costs compared to full-facility liquid cooling solutions.

Fan Speed Driven by GPUs, Not CPU Limits

Liquid-assisted CPU cooling reduces processor-driven fan demand, lowering system power and noise. This shifts the primary airflow requirement away from the CPUs. Fan speeds can instead be set based on GPU and rear-of-server thermal needs. This decoupling provides greater flexibility in system tuning and operation. As a result, customers can fully support 3/4-length GPUs without being constrained by CPU cooling requirements.

This enables customers to densely pack CPUs, GPUs, and PCIe cards while maintaining efficient, targeted cooling and overall system performance.



Dell OEM Partner

JetCool, a Flex company and proud Dell OEM partner, delivers turnkey liquid cooling solutions for select Dell servers—engineered for performance, efficiency, and simplicity. The sales motion is streamlined from spec to rack.

We engineer JetCool's cooling technology into your select Dell server configuration. We fully integrate and commission your liquid-cooled servers into racks either on-site or at our facility for fast deployment.

With global reach and support, Flex ensures frictionless delivery of high-performance, liquid-cooled infrastructure.



STEP 01

Select Server Configuration

Start by selecting your preferred Dell PowerEdge or XE7745 configuration.



STEP 02

Collaborate with JetCool

We engineer JetCool's cooling technology into your server design, tailored to your needs.



STEP 03

Integration & Commission

Integrate and commission your liquid-cooled servers into racks either on-site or at our facility for fast deployment.



STEP 04

Support & Warranty

Receive ongoing service, support, and fluid analysis for reliable liquid cooling, backed by a full warranty.

End-to-End Liquid Cooling Data Center Solutions

ORv2 or ORv3 Racks

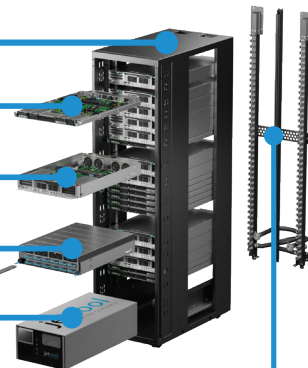
1U Liquid-Cooled Server

2U Liquid-Cooled Server

Power Shelf

Coolant Distribution Unit

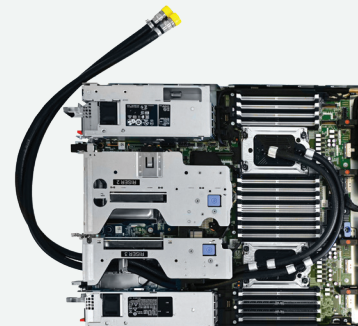
Manifolds & Quick Disconnects



Your One Stop Liquid Cooling Partner

As a Flex company, JetCool delivers end-to-end liquid cooling solutions—from cold plates, CDUs, and manifolds to warranties, global service, and support. We manage the full lifecycle, including integration, rack and stack, commissioning, and ongoing maintenance. Our teams support rapid deployment at scale, with system-level validation to ensure operational readiness from day one. **Backed by Flex's global service, support, warranty, and over two decades of liquid cooling experience, we help customers scale confidently and efficiently.**

Begin your liquid cooling journey by familiarizing yourself with SmartPlate System. When you're ready to upgrade, we'll provide you with a facility-ready upgrade kit. This kit includes two plumbed cold plates that are ready to be connected to your facility's water lines or CDUs without any hassle.



About JetCool, A Flex Company

JetCool, A Flex Company is a leading provider of liquid cooling solutions for AI-driven data centers worldwide.

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