



Liquid Cooling for Dell PowerEdge XE7745 Servers

Accelerate Enterprise AI Performance with Direct Liquid-Cooled GPU Platforms

JetCool has engineered a liquid-cooled Dell PowerEdge XE7745 platform designed to support dual 5th Gen AMD EPYC™ “Turin” CPUs and up to eight NVIDIA RTX PRO 6000 PCIe GPUs, enabling sustained, high-performance compute under continuous workloads. The system retains a familiar server form factor while introducing cold plates and fluid connections that integrate seamlessly with Flex’s end-to-end liquid cooling portfolio, including CDUs, manifolds, and rack-level infrastructure.

Built on a Proven Platform, Delivered as a Complete Solution

Flex’s liquid cooling solutions are designed to simplify adoption and scale with evolving AI infrastructure demands. Each deployment is supported by a full-stack delivery model, including warranty coverage for the liquid cooling system, commissioning services, and ongoing maintenance and lifecycle support, reducing vendor complexity and accelerating deployment.



For more Information and Pricing, Contact Us
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Dell PowerEdge XE7745 Datasheet

Liquid Cooling Performance, No Compromises.

- **High-Capacity Cooling:** Efficiently manage extreme workloads, cooling up to 5,800W.
- **Save Power:** Slash fan power by 70%, saving up to 30% on total server power consumption.
- **Improve Thermal Performance:** Lower CPU operating temperatures by 7% and GPU operating temperatures by 11% compared to air cooling solutions.
- **Reduce Noise:** Achieve a quieter operational environment with a 23 dB reduction in sound.
- **Flexible Thermal Performance:** Designed to support ultra-low flow rates, including 1.5 LPM/kW targets, reducing burden on facility infrastructure.

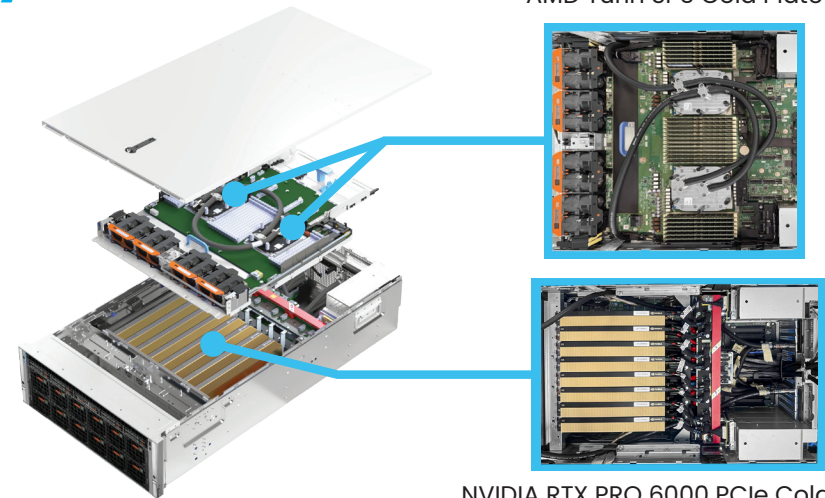
Advanced liquid cooling and complete warranty coverage from a single, trusted provider. Flex delivers fully integrated, site-wide solutions that simplify deployment and scale performance across your entire data center.

Product Specifications

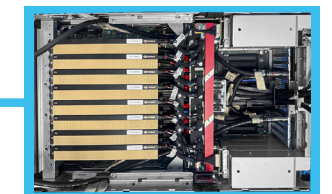
Description	Value
Processor Support	AMD EPYC SP5 Turin, NVIDIA RTX PRO 6000 PCIe
System Dimensions	864.7 mm(L) x 482 mm (W) x 174.3 mm (H)*
System Weight (Dry)	122 kg
Form Factor	4U
Supply Power	4+4 Redundant 3.2 kW Titanium, 220–240 VAC, 50/60 Hz
TDP Rating	5,800W
Fan Speed	12,000 RPM
Coolant Fluid	PG25; Water-based coolants
Survival Temperature	10°C to 35°C

**not including manifolds*

System Overview



AMD Turin SP5 Cold Plate



NVIDIA RTX PRO 6000 PCIe Cold Plate