AI-RACK Liquid-Cooling Infrastructure Platform

AI-RACK Liquid-Cooling Infrastructure Platform

High-Density Rack for AI and GPU Data Centers

The AI-RACK Liquid-Cooling Platform is designed for the extreme power and thermal demands of modern AI infrastructure. As GPU clusters grow more powerful, traditional air-cooled racks struggle to manage the heat and energy required for high-performance computing. AI-RACK solves this challenge with integrated liquid cooling, intelligent power distribution, and real-time monitoring.

Built to support AI systems powered by GPUs from companies such as NVIDIA and AMD, the platform enables racks operating at up to **150 kW of compute power** while maintaining optimal thermal efficiency.

The rack integrates a liquid-cooling distribution system with quick-connect coolant manifolds, redundant pumps, and leak detection sensors to ensure safe and reliable operation. A built-in smart PDU provides real-time power monitoring and remote control, allowing operators to manage energy consumption and maintain uptime.

AI-RACK also includes high-density cable management designed for modern networking environments and is compatible with servers from vendors such as Supermicro, Dell Technologies, and Hewlett Packard

Enterprise.

Engineered for reliability and rapid deployment, AI-RACK enables data centers to deploy high-density AI infrastructure quickly while maintaining efficiency, visibility, and operational control.

Name	AI-RACK Liquid-Cooling Infrastructure Platform
Sku	TSG-AI-RACK
Category	Datacenter
Brand	Thomas G

Qr Code