Rear Door Heat Exchanger (RDHx)

IntelliRack L100

IntelliRack AL100

NVIDIA MGX READY

Data Center Liquid Cooling

Designed for the highest computational demands today, AMAX liquid cooling solutions bring flexibility, eco-friendly design, and maximum performance to the data centers of tomorrow.

IntelliRack L100

The AMAX IntelliRack L100 employs advanced liquid-to-liquid and air-to-air cooling, efficiently handling 100kW to support the most demanding AI workloads without a rear door heat exchanger.

IntelliRack AL100

The AMAX IntelliRack AL100, featuring hybrid cooling technology and a rear door heat exchanger, exhausts all heat to facility water, delivering 100kW capacity for the most intensive AI applications.

KEY FEATURES

- IntelliRack L100: 100kW Cooling; 100% w/ RDHx; 80% efficiency w/o RDHx
- IntelliRack AL100: 100kW Cooling
- OCP Compliant
- Hot swappable Redundant 1+1 pumps, 2+1 PSUs

AMAX®

AMAX COOLING // DATASHEET

SPECIFICATIONS

Feature	
Product Name	IntelliRack AL100
Cooling Mechanism	Liquid-to-Liquid and Air-to-Liquid
Rack Size	600 mm x 1287 mm x 2295 mm
Cooling Capability	100kW (w/ RDHx: 100% heat dissipated through liquid; w/o RDHx: 80% heat dissipated through liquid)
Computing Node	RU/OU 21" server compatible
Redundancy	1+1 pumps, 2 +1 PSUs
Serviceability	Blind-mate mechanism, Front Access IT equipment, Slide-rails compatible, Hot swappable pumps, PSUs, control board

Feature	
Product Name	IntelliRack L100
Cooling Mechanism	Liquid-to-Liquid and Air-to-Air
Rack Size	600 mm x 1287 mm x 2295 mm
Cooling Capability	100kW (80% heat dissipated through liquid)
Computing Node	RU/OU 21" server compatible
Redundancy	1+1 pumps, 2 +1 PSUs
Serviceability	Blind-mate mechanism, Front Access IT equipment, Slide-rails compatible, Hot swappable pumps, PSUs, control board

DISCOVER THE COOLEST SOLUTIONS AND TRANSFORM YOUR DATA CENTER

Future Focused Data Center Deployment

The AMAX IntelliRack AL100 and L100 push data center operations to the next level by incorporating advanced liquid cooling solutions to meet the extreme thermal demands of today's latest chip technologies. Each capacity-optimized rack is crafted to support the intensive computational demands of AI training, data analytics, and high-performance computing.

Offering a cooling potential of up to 100kW, the IntelliRack series provides reliable, scalable infrastructure solutions that emphasize energy efficiency and reduce environmental footprint. Chosen by tier one cloud service providers to power the most sophisticated data centers globally, the IntelliRack series sets a new standard for enterprise AI deployment.

AMAX COOLING // DATASHEET