INTERNATIONAL
COMPUTER CONCEPTS

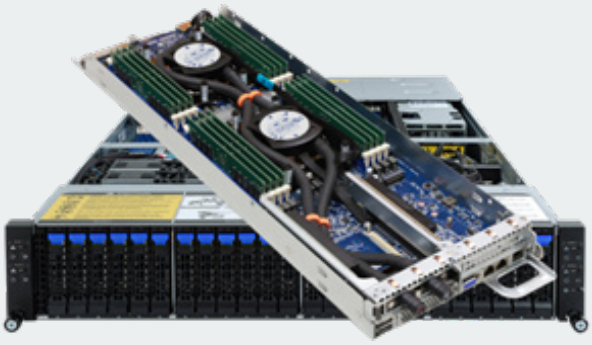
300 Wainwright Drive | Northbrook, IL 60062
877.422.8729 | sales@icc-usa.com
www.icc-usa.com

ENERGY SAVING /// PERFORMANCE MAXIMIZED LIQUID COOLED HPC SOLUTION

ICC has joined forces with AMD and Asetek to deliver flexible, proven and reliable liquid cooled solution for High Performance Computing.

- TURNKEY SOLUTION
- 80KW PER RACK
- MAXIMIXED PERFORMANCE
- INCREASED DENSITY 88 NODES/RACK
- ENERGY SAVING

AXIS™ R-725a



- Dense 2U 4-node server platform
- Dual AMD EPYC™ 7002 series processor family
- 8-Channel RDIMM/LRDIMM DDR4 per processor, 16 x DIMMs
- 2 x 1Gb/s LAN ports (Intel® I350-AM2)
- Onboard 2x M.2
- 4 x 2.5" SATA and 2 x 2.5 NVMe Hot-Swap
- 4 x PCIe Gen4 x 16 expansion slots
  1 x OCP 2.0 Gen3 x16 mezzanine slots
- Redundant 2200W 80 PLUS Platinum

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RACK LEVEL DIRECT-TO-CHIP (D2C) COOLING

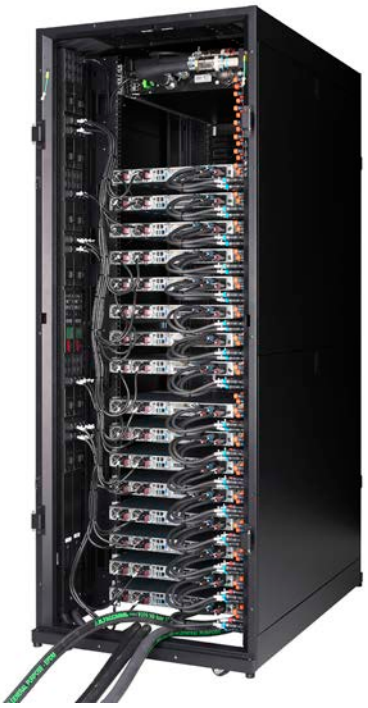
HIGH-PERFORMANCE LIQUID-COOLED SYSTEMS

4,000 TIMES BETTER HEAT STORAGE AND TRANSFER

LOWER PROCESSOR TEMPERATURES

MINIMIZED LATENCY

REDUCED DATA CENTER ENERGY USAGE



BENEFITS AND DRAWBACKS

Pain Point	Example	Air Cooled	Rear Doors	Immersion	RackCDU D2C
Operating Expenditures (OPEX)	Total energy cost to run data center				
Expansion Capital Expenditures (CAPEX)	Cost for cooling to support greater compute capacity				
Going Green	Waste heat reuse & carbon footprint				
Performance	Sustained compute without CPU throttling				
Initial Cost	Up front cost of cooling infrastructure				
Physical Footprint	Compute density per square foot in DC				
Ongoing Maintenance	Difficulty & frequency of servicing cooling system				

Significant Benefit Neutral Major Drawback