

AMAX [INTELLI]Rack™ OCP Solution

Engineering. Service. Expertise.

Inspired by the Open Compute Project (OCP) and enhanced by AMAX's design and engineering expertise in the liquid cooling space, the [INTELLI]Rack™ Solution addresses the top two concerns of rapid growth by reducing OPEX and CAPEX for long-term scalability.

AMAX Provides Complete Global OCP Solution

AMAX offers a full range of open infrastructure products with global deployment and support with 40+ years of dedicated engineering experience. Our engineering experts work with each customer to design custom OCP compatible solutions to meet specific needs. Open hardware solutions by AMAX also provide the option to include custom patented liquid cooling features to increase HPC performance and energy-saving thermal absorption even further.



17% savings on CAPEX from the improved utilization of the 21" OCP rack & chassis.



Rack level PSU redundancy reduces power converting components, improving system efficiency, and rack space utilization.



Improve PUE <1.05 through liquid cooling technology with air, facility water, and hybrid options.



47% reduction on OPEX from the energy efficiency of the 48V ORv3 power system and PUE <1.05 liquid cooling rack.

ORv3 Liquid Cooling Rack

- The 48OU rack is compatible with both EIA 19" and OCP 21" systems
- Option to use air, facility water, or hybrid
- Cooling capacity of up to 100 kW



OPEN
Compute Project®

Compute Node Intel Platform

High Density Compute Node 2OU 3Node Dual 3rd Gen Intel® Xeon® Scalable Processors

- Supports both 3rd Gen and 4th Gen Intel® Xeon® Scalable Processors
- 6x DIMMS
- 2x 2.5" HDD + 2x U.2



Compute Node AMD Platform

High Density Compute Node 2OU 3Node Dual 3rd Gen AMD EPYC™ Processors

- Supports both 3rd Gen and 4th Gen AMD EPYC™ Processors
- 24x DIMMS
- 4x E1.S + 1x M.2



Compute Node ARM Platform

High Density Compute Node 2OU 3Node Dual Ampere® Altra® / Altra® Max Processor

- 16x DIMMS
- 4x E1.S + 1x M.2



Storage Node

2OU JBOD Supports 32x 3.5"/2.5" Bay

- Single or dual channel option
- Up to 6x SAS4x32 Expander
- 24x DIMM slots



AMAX Combines Design, Engineering, and System Integration Worldwide.

AMAX is taking OCP compatible solutions to the next level with liquid cooling options. With years of ODM experience in developing scalable liquid cooling servers and racks, AMAX has deployed innovative solutions for various Fortune 500 companies worldwide.

- 500+ Employees Globally
- 215,000+ SQ FT Facilities
- ODM Expertise for Liquid Cooling



Contact us to learn more about AMAX's [INTELLI]Rack™ OCP solution!