

# Atlantis 1.8E Rev1.0

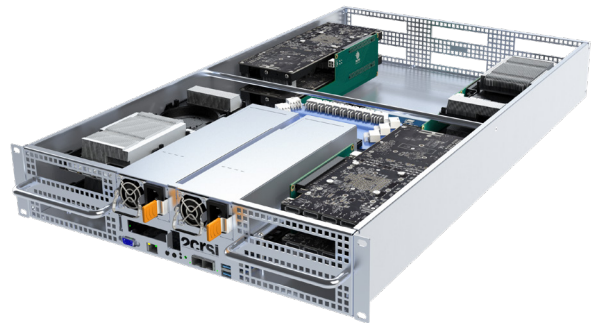
Immersed optimized 2U 19" server with on top I/O

**Atlantis 1.8E** is a server designed to be **immersed**.  
The solution enhances cooling efficiency and reduces power consumption,  
leading the way to a new age of datacenters.

## DESIGN PRINCIPLES

Atlantis 1.8E is designed to offer :

- High speed processing.
- High power density of overall system.
- Low overall cooling power consumption solution.



## TOP APPLICATIONS



Rendering



A.I. and D.L.



HPC



Virtualization

## KEY BENEFITS

- Improved MTBF (Mean Time Between Failure)
- Easy maintenance

## KEY FEATURES

Unique solution which supports :

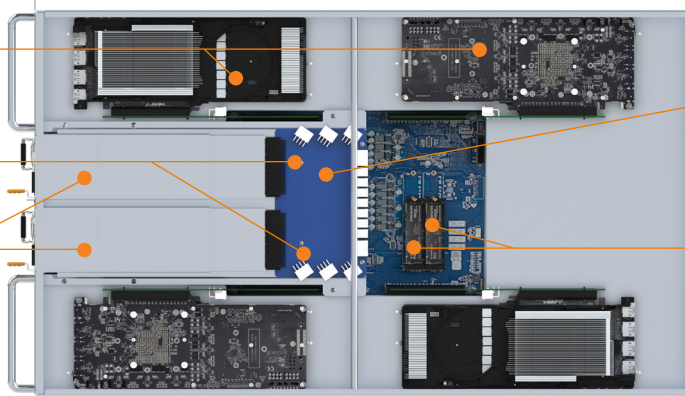
- 1x CPU AMD EPYC™ 7xx2 / 7xx3 family
- Diversified configuration for various usages
- Up to 8x DDR4-3200 DIMM slots
- Up to 2x M.2 NVMe storage
- 8x Full height, full length double-slot GPU accelerator
- Front I/O with handle

## OVERVIEW

GPUs

DIMM DDR4

2x PSUs



CPU

2x M.2 slots

## SPECIFICATIONS

### System

<b>Model</b>	Atlantis 1.8E Rev1.0
<b>Form Factor</b>	2U
<b>Dimension</b>	790 x 482.6 x 89mm 31.10" x 18.98" x 3.5" (D x W x H)
<b>Weight*</b>	11.5kg 24.25lbs

### Storage

<b>Internal type</b>	Up to 2x M.2 NVMe
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### Motherboard

<b>Chipset</b>	System on chip
<b>Expansions slots</b>	8x PCIe x8 (4x Gen4 x16 bus) for GPUs 2x PCIe x16 (Gen4 x16 bus) HL LP slots
<b>M.2 connector</b>	1x PCIe Gen3 x4 1x PCIe Gen3 x2
<b>Network</b>	2x 10GbE port SFP+ 1x dedicated RJ45 port for IPMI

### Processor

<b>Socket type</b>	1x Socket SP3
<b>Supported CPU</b>	1x AMD EPYC™ 7xx2 / 7xx3 series family processors
<b>TDP max</b>	200W in AIR / 280W in Immersion

### Memory

<b>Quantity</b>	Up to 8x DIMM slots
<b>Speed</b>	DDR4-3200 DIMM/RDIMM/LRDIMM
<b>Channels</b>	8-channel memory architecture

### Server management

<b>BMC</b>	Type Vertiv or AMI
<b>Chipset</b>	Aspeed® AST2500 remote management controller
<b>TPM</b>	Yes

### Front I/O

<b>Button</b>	1x Power 1x ID switch 1x Reset 1x NMI
<b>LED</b>	2x System status 2x LAN status 1x Power status
<b>Port</b>	2x USB 3.0 1x RJ45 2x SFP+ 1x VGA

### Power Input

<b>Type</b>	2x 80PLUS Platinum
<b>Input Range</b>	Up to 2000W

### Operating Environment

<b>RoHS</b>	RoHS compliant
<b>Temperature</b>	Operating temperature: 10°C to 35°C
<b>Immersion ready</b>	Working in all 19" immersion system (i.e. Submer / GRC / Asperitas)

\*: The weight can change depending on the configuration