

Atlantis 1.4E Rev1.0

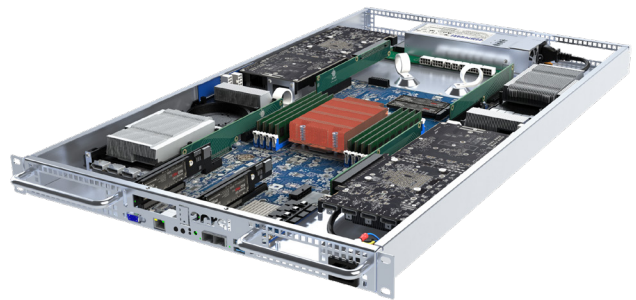
Immersed optimized 1U 19" server with front I/O

Atlantis 1.4E 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 1.4E 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 :

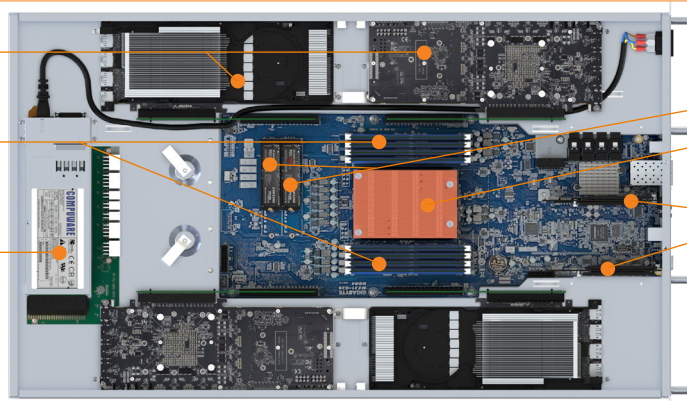
- 1x CPU AMD EPYC™ 7xx2 / 7xx3 series family
- Diversified configuration for various usages
- Up to 8x DDR4-3200 DIMM slots
- Up to 2x M.2 NVMe storage
- 4x Full height, full length double-slot GPU accelerator
- Front I/O with handle

OVERVIEW

GPUs

8x DIMMs DDR4

1x PSU



2x M.2 slots

1x CPU

2x Expansions slots PCIe x8

SPECIFICATIONS

System

Model	Atlantis 1.4E Rev1.0
Form Factor	1U
Dimension	790 x 482.6 x 44mm 31.10" x 18.98" x 1.75" (D x W x H)
Weight*	10.5kg 22.05lbs

Storage

Internal type	Up to 2x M.2 NVMe
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Motherboard

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

Processor

Socket type	1x Socket SP3
Supported CPU	1x AMD EPYC™ 7xx1 / 7xx2 / 7xx3 series family processors
TDP max	200W in Air / 280W in Immersion

Memory

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

Server management

BMC	Type Vertiv or AMI
Chipset	Aspeed® AST2500 remote management controller
TPM	Yes

Front I/O

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

Power Input

Type	1x 80PLUS Platinum
Input Range	Up to 1600W

Operating Environment

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

*: The weight can change depending on the configuration