



2CRSI ARM



ARM Gigabyte

Gigabyte ARM servers range

Rack servers

web hosting, virtualized infrastructures,
databases & analytics.

Form Factor	From 1U to 2U
Drives	Up to 24 x 2.5" Gen4 NVMe hot-swap drives
Processor	Single or Dual Ampere Altra / Altra Max
Memory	16 or 32 DIMMs slots 8 channels 3200Mhz
Expansion Slots	2 x PCIe 4,0x16 FHFL
Power	Depending on configuration 1+1 redundancy
Management	AST2500 / AST 2600



Gigabyte ARM servers range

GPU servers

Deep learning, artificial intelligence, scientific computing and data analytics

Form Factor	From 2U to 4U		
Storage	Up to 24 x 2.5" Gen4 NVMe hot-swap drives		
Processor	Single Ampere Altra / Altra Max		
Memory	16 DIMMs slots 8 channels 3200Mhz		
Expansion Slots	8 x SXM4 sockets for NVIDIA HGX A100 8-GPU 80GB module 10 x PCIe 4.0 x16 HHHL	4 x PCIe 4.0 x16 FHFL for GPUs 3 x PCIe 4.0 x8 HHHL	4 x PCIe 4.0 x16 FHFL for GPUs 2 x PCIe 4.0 x8 HHHL
Power	Depending on configuration 3+1 or 2+0 redundancy		
Management	AST2500		



Gigabyte ARM servers range

Edge server

Form Factor	2U
Storage	6 x 2.5" SATA hot-swap drives 2 x M.2 (PCIe 4.0 x4)
Processor	Single Ampere Altra / Altra Max
Memory	32 DIMMs slots 8 channels 3200Mhz
Expansion Slots	2 x PCIe 4.0 x16 HHHH 4 x PCIe 4.0 x8 HHHH
Power	1+1 800W redundant PSUs 80 PLUS Platinum, 100~240V AC
Management	AST2500



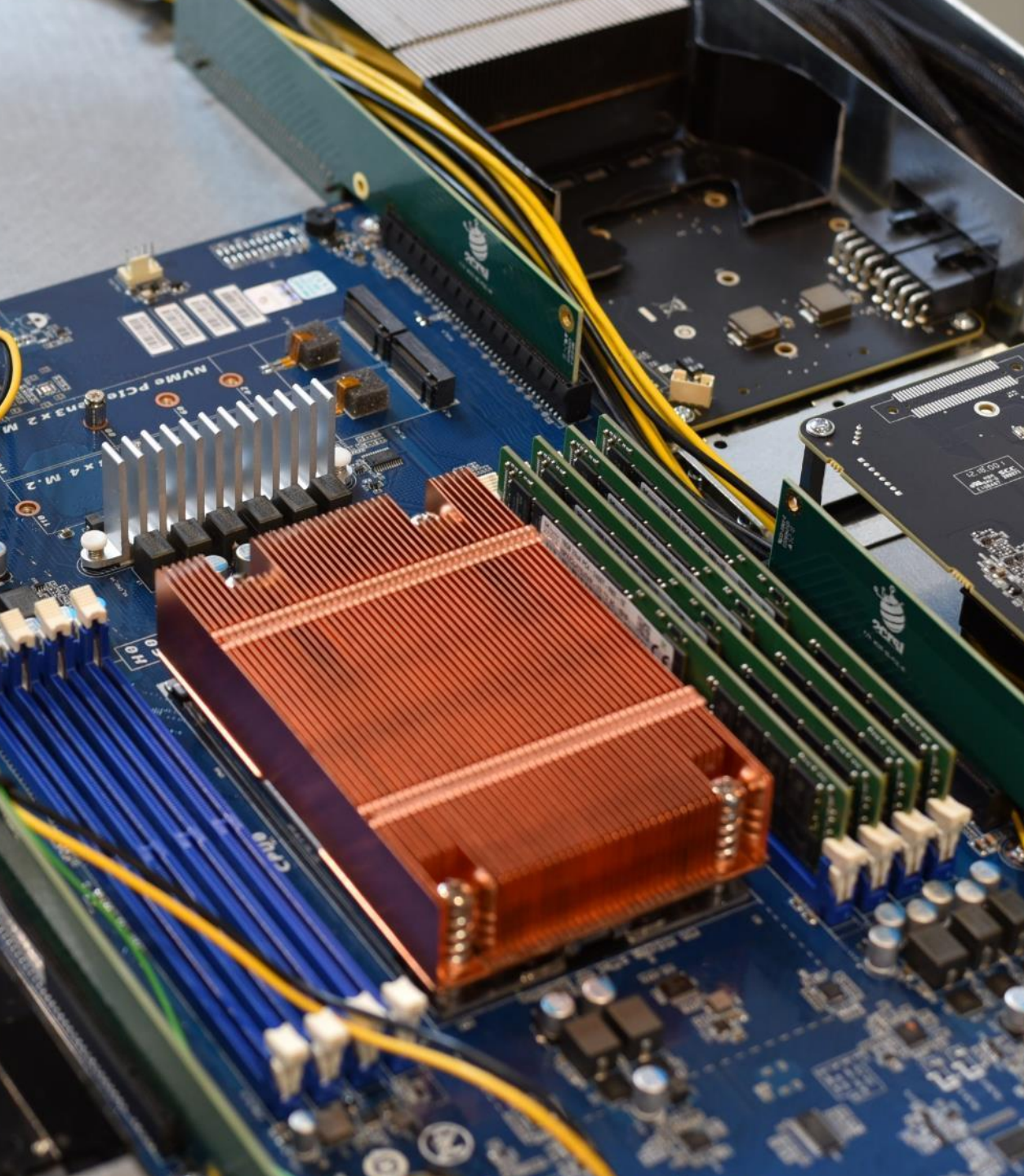
Gigabyte ARM servers range

Density server

HPC, massive data analytics and virtualization workloads

Form Factor	2U 4 Nodes
Storage	H262-P60: 24 x 2.5" SATA hot-swap drives H262-P61: 8 x 2.5" SATA hot-swap drives 1 x M.2 (PCIe 4.0 x4) per node
Processor	Single Ampere Altra / Altra Max
Memory	32 DIMMs slots 8 channels 3200Mhz
Expansion Slots	2 x PCIe 4.0 x16 HHHL per node 1 x PCIe 4.0 x16 OCP 3.0 Mezz. per node - Gen4 x16 available for Ampere Altra Max only
Power	2+0 2200W PSUs 80 PLUS Platinum, 100~240V AC
Management	AST2600

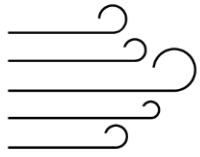




Ampere OCtoPus

2CRSi 21" Servers

Building iT with the right cooling

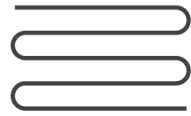


AIR
COOLING

-23% of global power



- Up to 30kW /Rack
- CPU & GPU solutions
- OCP ready
- Scalable racks (40U to 420U)



DIRECT LIQUID
COOLING

**More than 70% cooled
with liquid**



- Up to 45kW /Rack
- CPU & GPU solutions
- Liquid cooled OCP ready
- Scalable racks (120U to 420U)
- Heat re-use ready



IMMERSION
COOLING

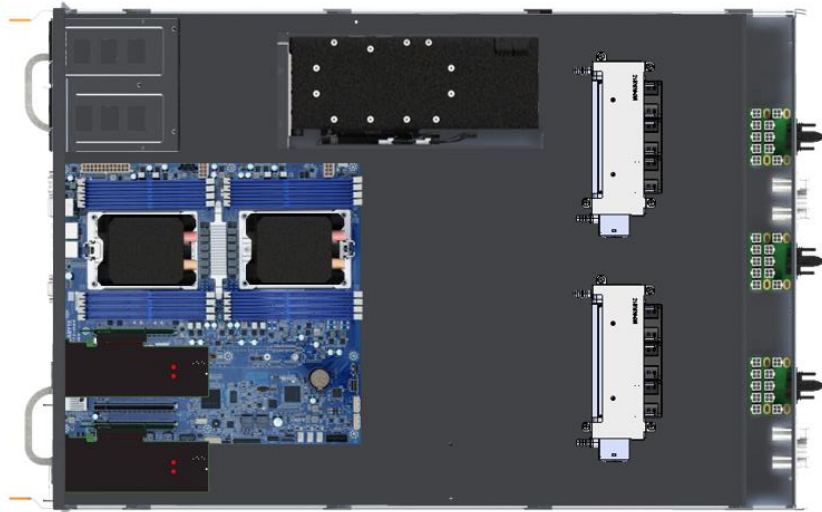
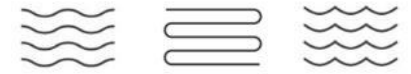
-40% of global power



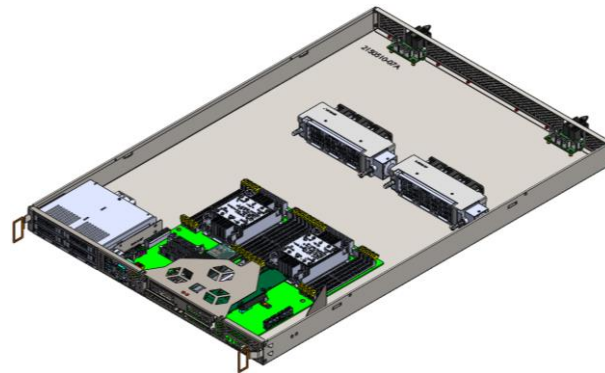
- Up to 100kW/tank
- CPU & GPU solutions
- Immersion cooled ready (19"/21")
- Scalable tanks (6U to 420U)
- Heat re-use ready

OCtoPus 1AA

web hosting, virtualized infrastructures,
databases & analytics.



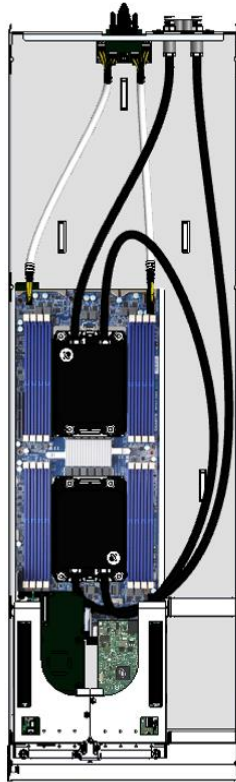
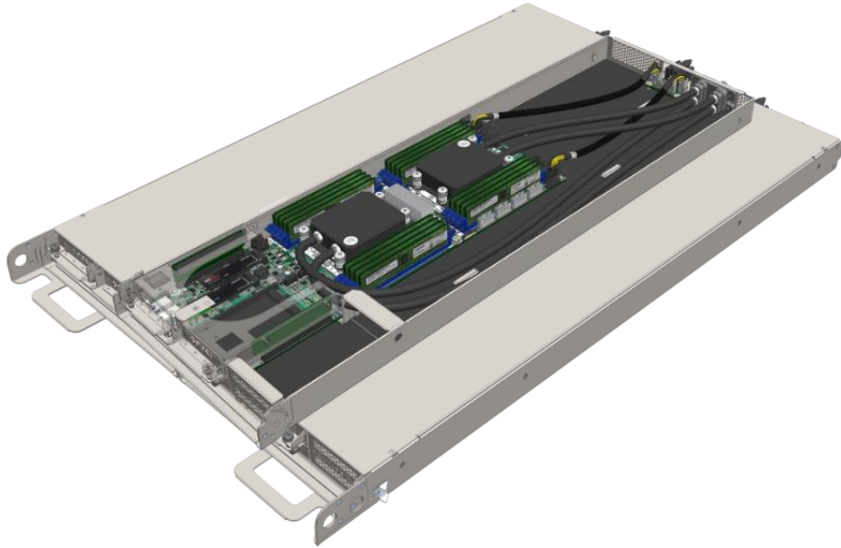
OC1-100EE-R



Form Factor	10U 21" 800mm(34,50") depth
Drives	Up to 4x 2,5" U.2 NVMe drives (PCIe Gen4)
Processor	Dual Ampere Altra Max
Memory	16 DIMMs slots, up to 4TB DDR4 memory,
I/O	Front : 2x PCIe x16 4.0 expansion slots (HH-HL single width)
Management	Open Industry Standard IPMI
Storage options (Hotswap)	4x 2,5" U.2 NVMe drives (PCIe Gen4) or 4x 2,5" SATA/SAS drives (SATA3 or SAS3.0) or 1x 3,5" SATA/SAS drives (SATA3 or SAS3.0)
Power	OCP ORv1 or ORv2 (12V DC)

OCtoPus 2AA

HPC, massive data analytics and virtualization workloads



2 Nodes per chassis, per node specifications :

	 AMPERE® OC2-100AA-T
Form Factor	10U 21" 800mm(34,50") depth
Drives	1x Internal M.2 NVMe drives (PCIe Gen4) Optional : <ul style="list-style-type: none">- 2x Internal M.2 NVMe drives (PCIe Gen4)- 4x 2.5" U.2 NVMe drives (PCIe Gen4) hotswap
Processor	Dual Ampere Altra Max
Memory	16 DIMMs slots, up to 4TB DDR4 memory
Expansion Slots	2 x PCIe 4,0x16 FHFL
Power	OCP ORv1 or ORv2 (12V DC)
Management	Open Industry Standard IPM

OCtoPus 3AA

HPC, massive data analytics and virtualization workloads



3 Nodes per chassis, per node specifications :

	 OC3-100AA-U
Form Factor	10U 21" 800mm(34,50") depth
Drives	1x Internal M.2 NVMe drives (PCIe Gen4) Optional : <ul style="list-style-type: none">- 2x Internal M.2 NVMe drives (PCIe Gen4)- 4x 2.5" U.2 NVMe drives (PCIe Gen4)- 3x 3.5" SATA 3 HDD (6Gbps)
Processor	Dual Ampere Altra Max
Memory	16 DIMMs slots, up to 4TB DDR4 memory
Expansion Slots	1 x PCIe 4,0x16 FHFL
Power	OCP ORv1 or ORv2 (12V DC)
Management	Open Industry Standard IPM