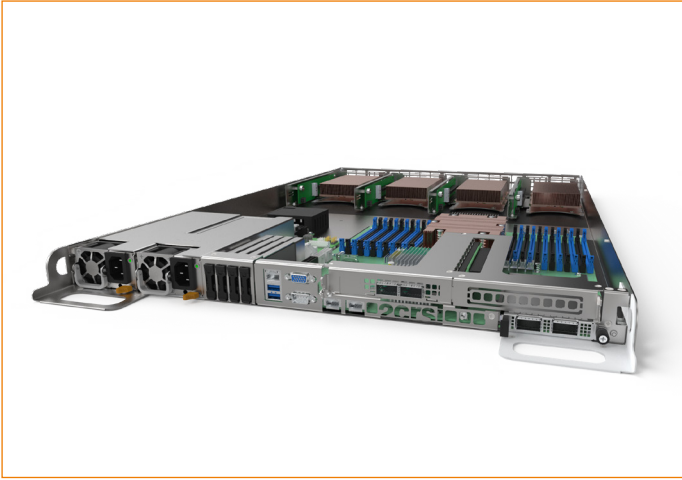


Atlas 1.4G0

OCB READY GENOA PLATFORM

Single SP5 socket server with 4 full length dual slots PCIe 5.0x16



No contractual

Key Features



21-inch 1 OpenU



Single AMD EPYC™ 9004
Socket SP5



24x DDR5 @ 4800MHz



4x PCIe 5.0 x16 FH FL DW
2x PCIe 5.0 x16 HH HL
1x OCP 3.0



Immersion cooling

AMD EPYC™ 9004 Series Processors family

The AMD EPYC™ 9004 Series Processors family also offers industry-leading security features, including Secure Memory Encryption (SME) and Secure Encrypted Virtualization (SEV), providing robust protection for your critical data and applications. Moreover, the processors are compatible with the latest PCIe 5.0 standard, enabling faster data transfer rates and reducing latency to further enhance your computing experience.

Efficient Immersion Cooling

The Atlas 1.4G0 is specifically designed for immersion cooling configurations, offering unrivalled efficiency in heat dissipation. The immersion cooling process involves immersing server components in a dielectric liquid, ensuring more efficient heat transfer compared to traditional air cooling methods. The Atlas 1.4G0 capitalises on this principle, using immersion cooling to achieve precise temperature control and significantly reduce the power consumption associated with thermal management.

Optimized Density

One of the features of the Atlas 1.4G0 is its exceptional density optimisation. By using immersion cooling, the Atlas 1.4G0 minimises the space required for heat dissipation mechanisms such as fans and air ducts. This space-saving design makes it possible to increase the density of server racks, maximising the number of servers that can be housed in a given space. Atlas 1.4G0 sets new standards in server density, enabling data centres to optimise their floor space and scale their operations efficiently.

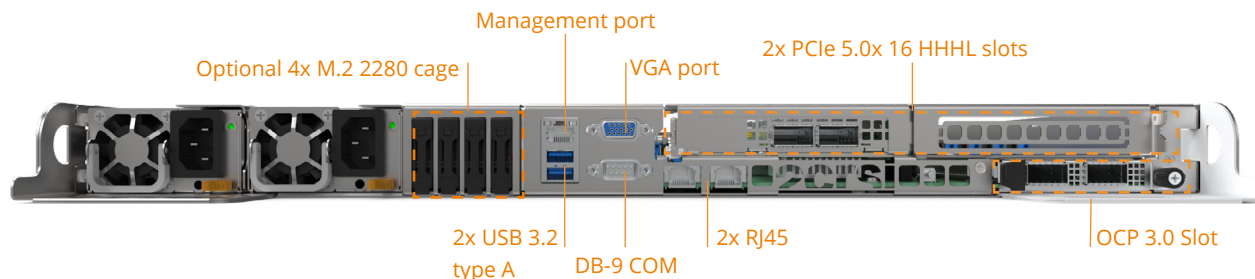
Enhanced Power Efficiency

The Atlas 1.4G0 has been designed with a focus on energy efficiency, to enable sustainable and cost-effective data centre operations. Immersion cooling significantly reduces the power consumption typically associated with air-cooled systems, resulting in substantial energy savings. Thanks to the energy-efficient design of the Atlas 1.4G0, data centres can significantly reduce their carbon footprint while benefiting from reduced operational costs and increased environmental sustainability.

SCAN THE CODE!

TO DISCOVER MORE
ABOUT THIS PRODUCT

Atlas 1.4G0



SPECIFICATIONS

system	Model	Atlas 1.4G0 immersion
	Form factor	21-inch 1OpenU
	Dimension	788.4x 537 x 45.5mm (latch to hard stop) 31"x 21" x 1.8" (latch to hard stop)
	Cooling technology	Immersion cooling
	TDP max per server	1600W
Storage	Internal type	2x M.2 NVMe PCIe 5.0 x2 2280/22110
	External type	Optional: 4x M.2 NVMe PCIe 5.0 2280
	RAID controller	Optional
Motherboard	CPU	AMD EPYC™ 9x4 Genoa, Bergamo and Genoa-X with AMD 3D V-Cache™ Technology Series Socket single SP5
	Chipset	System on chip
	Expansion slots	2x PCIe 5.0 x16 for HH-HL cards (Front) 4x PCIe 5.0 x16 for FH-FL DW 260mm (internal) for accelerator cards (Datacenter or workstation types) 1x PCIe 5.0 x16 OCP v3.0 LAN mezzanine slot
	TPM	TPM 2.0 (optional)
	BMC	Aspeed 2600
	Memory	Total slots
Total Capacity		Up to 12TB, from 16GB to 512GB per module
Memory type		DDR5 4800 MHz (1DPC) / 4000MHz (2DPC)
Network	Onboard	1x 1GbE Management Port dedicated to the IPMI
	OCP 3.0 Options	2x 25GbE (SFP28) 2x 100GbE (QSFP56 / QSFP28) 2x 200GbE (QSFP56)
I/O	Front	2x USB 3.2 Port (Type A) 1x SVGA 1x DB-9 COM 2x RJ45 1x RJ45 dedicated IPMI
Management solution	Software	WebGUI, IPMI 2.0 and RESTful APIs (Redfish)
	Remote management	iKVM module, Remote Update (OoB), Platform Firmware Resilience
Power supply	Type	1+1 Redundant CRPS
	Power rating	1600W 180-240Vac
	Power efficiency	80 PLUS Platinum (94%)
Operating environment	Operating temperature	10°C ~ 35°C
	Non-operating temperature	-40°C ~ 70°C
	Operative relative humidity	20% ~90% (Non condensing)

SKU based on options

This product is available with different options.

This table provides valuable information about the features and capabilities associated with each SKU (stock keeping unit), enabling potential customers and internal stakeholders to make informed decisions. Each SKU has been carefully classified according to the options available, providing a clear picture of the functionality associated with each variant.

SKU	4xM.2 2280 cage	Spec
BRB-A21-104G0-U010	No	2x M.2 NVMe PCIe 5.0 x2 2280/22110 (internal) 2x PCIe 5.0 x16 for HH-HL cards (Front) 1x OCP3.0 PCIe 5.0x16 (front) 4x PCIe 5.0 x16 for FH-FL DW 260mm (internal)
BRB-A21-104G0-U011	Yes	2x M.2 NVMe PCIe 5.0 x2 2280/22110 (internal) 4x M.2 NVMe PCIe 5.0x2 22820 hotswap (Front) 1x PCIe 5.0 x16 for HH-HL cards (Front) 1x OCP3.0 PCIe 5.0x16 (front) 4x PCIe 5.0 x16 for FH-FL DW 260mm (internal)