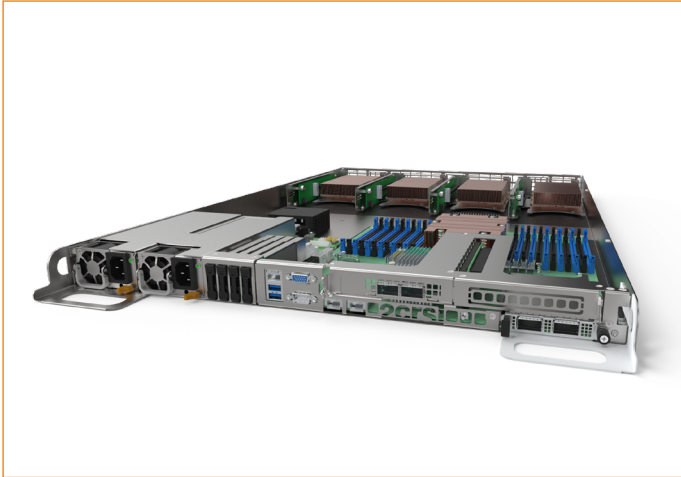


Atlas 1.4 SP5-S

IMMERSION-OPTIMIZED AI & HPC PLATFORM

Powered by AMD EPYC™ 9005 Series for AI, HPC & Cloud Workloads



No contractual

Key Features



21-inch 1 OpenU



Single EPYC™ 9004/9005
Socket SP5



24× DDR5 @ 6400 MHz
(EPYC 9005)
24× DDR5 @ 4800 MHz
(EPYC 9004 / 97x4)



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



Immersion cooling



SCAN THE CODE!

TO DISCOVER MORE
ABOUT THIS PRODUCT

Extreme Compute Density With Dual CPUs & 4 GPUs

Built for next-generation AI and high-performance computing, the Atlas 1.4SP5-S combines dual AMD EPYC™ 9005 processors with up to four 350 W GPUs, including NVIDIA H100 NVL.

This platform delivers exceptional floating-point throughput, massive memory bandwidth, and the parallel processing power required for the most demanding AI training, inference, and simulation workloads.

Engineered for Immersion Cooling

Purpose-built for immersion, the Atlas 1.4 SP5-S maximizes thermal efficiency and stability under extreme loads.

Thanks to the uniform cooling environment, GPUs and CPUs maintain optimal performance even at sustained 600W GPU power draw. Say goodbye to throttling and hello to consistent, peak-level compute output, ideal for large-scale data centers, AI farms, and HPC clusters.

Optimized Density

One of the features of the Atlas 1.4SP5-S is its exceptional density optimisation. By using immersion cooling, the Atlas 1.4SP5-S 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 1.4SP5-S sets new standards in server density, enabling data centres to optimise their floor space and scale their operations efficiently.

Enhanced Power Efficiency

The Atlas 1.4SP5-S 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.

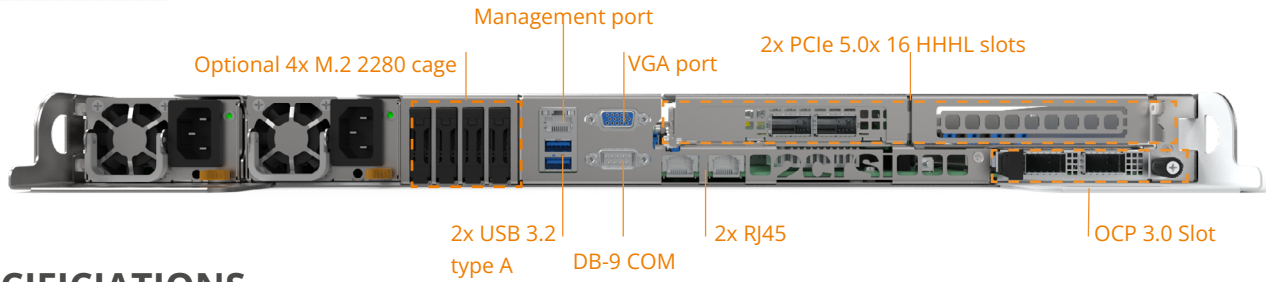
Optimized for Next-Generation AI Workloads

Whether powering multi-GPU training, LLM inference at scale, mixed-precision computing, or advanced HPC simulations, the Atlas 1.4 SP5-S delivers unmatched reliability, power density, and immersion-ready efficiency.

It is the ideal foundation for enterprises, research labs, and cloud AI providers building tomorrow's accelerated data centers.

2crsi.com | contact@2crsi.com

2CRSi, Specifications are subject to change. Please verify with your sales representative for latest revision.



SPECIFICATIONS

System	Model	Atlas 1.4SP5-S 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	Single socket SP5 AMD EPYC™ 9005/9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors
	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) Up to 350W 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	EPYC 9004 / 97x4: DDR5-4800 MT/s (1 DPC) / DDR5-4400 MT/s (2 DPC) EPYC 9005: DDR5-6400 MT/s (1 DPC) / DDR5-4800 MT/s (2 DPC)
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	2200W 180–240Vac
	Power efficiency	80 PLUS Titanium (96%)
Operating environment	Operating temperature	10°C ~ 40°C
	Non-operating temperature	-40°C ~ 70°C
	Operative relative humidity	20% ~90% (Non condensing)
Warranty	2CRSi hardware warranty includes a one year, parts and labour with return to 2CRSi selling entity. Customers may purchase an extended warranty of up to 3 years on parts and labour with different support levels. Please contact 2CRSi at support@2crsi.com or reach your sales point of contact for complete warranty details including limitations and transferability. 2crsi.com/global-location	

Atlas 1.4 SP5-S

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)