

NEW HEIGHT OF AI COMPUTING

Performance-optimized GPU Server Solutions

GPU Barebones



NVIDIA-Qualified

A server that has been qualified for a particular NVIDIA GPU has undergone thermal, mechanical, power, and signal integrity qualification to ensure that the GPU is fully functional in that server design. Servers in qualified configurations are supported for production use.

Card Model	Server Model	PCIe Speed	Processor Type
NVIDIA HGX™ B300 8-GPU	8U16X-GNR2 B300	PCIe Gen5	Intel® Xeon® 6
NVIDIA RTX PRO™ 6000 Blackwell Server Edition	4U10G-GNR2	PCIe Gen5	Intel® Xeon® 6
	4U10G-TURIN2	PCIe Gen5	AMD EPYC™ 9005
	4U8G-GNR2	PCIe Gen5	Intel® Xeon® 6
	4U8G-TURIN2	PCIe Gen5	AMD EPYC™ 9005
	4UXGM-GNR2	PCIe Gen5	Intel® Xeon® 6
	4UXGM-GNR2 CX8	PCIe Gen5	Intel® Xeon® 6
	4UXGM-TURIN2	PCIe Gen5	AMD EPYC™ 9005
	4UXGM-TURIN2 CX8	PCIe Gen5	AMD EPYC™ 9005
NVIDIA HGX™ B200 8-GPU	4U8X-EGS2/DLC SYN B200	PCIe Gen5	5th Gen Intel® Xeon® Scalable
	8U8X-EGS2 SYN B200	PCIe Gen5	5th Gen Intel® Xeon® Scalable
NVIDIA H200 NVL	4U10G-EGS2	PCIe Gen5	5th Gen Intel® Xeon® Scalable
	4U10G-GNR2	PCIe Gen5	Intel® Xeon® 6
	4U10G-TURIN2	PCIe Gen5	AMD EPYC™ 9005
	4U8G-EGS2	PCIe Gen5	5th Gen Intel® Xeon® Scalable
	4U8G-GNR2	PCIe Gen5	Intel® Xeon® 6
	4U8G-GNR2/RF	PCIe Gen5	Intel® Xeon® 6
	4U8G-TURIN2	PCIe Gen5	AMD EPYC™ 9005
	4U8G-TURIN2/RF	PCIe Gen5	AMD EPYC™ 9005
	4UXGM-GNR2	PCIe Gen5	Intel® Xeon® 6
	4UXGM-GNR2 CX8	PCIe Gen5	Intel® Xeon® 6
	4UXGM-TURIN2	PCIe Gen5	AMD EPYC™ 9005
NVIDIA HGX™ H200 8-GPU	6U8X-EGS2 H200	PCIe Gen5	5th Gen Intel® Xeon® Scalable
	6U8X-EGS2/ZC SYN H200	PCIe Gen5	5th Gen Intel® Xeon® Scalable
	6U8X-TURIN2 H200	PCIe Gen5	AMD EPYC™ 9005
	6U8X-TURIN2 SYN H200	PCIe Gen5	AMD EPYC™ 9005
NVIDIA H100 NVL	4U10G-EGS2	PCIe Gen5	5th Gen Intel® Xeon® Scalable
	4U10G-GENOA2	PCIe Gen5	AMD EPYC™ 9004
	4U8G-EGS2	PCIe Gen5	5th Gen Intel® Xeon® Scalable
	4U8G-GENOA2	PCIe Gen5	AMD EPYC™ 9004
	4U8G-GNR2	PCIe Gen5	Intel® Xeon® 6
	4U8G-GNR2	PCIe Gen5	Intel® Xeon® 6700E-series
	4UXGM-GNR2	PCIe Gen5	Intel® Xeon® 6
NVIDIA L40S	2U4G-GENOA/M3	PCIe Gen4	AMD EPYC™ 9004
	4U10G-EGS2	PCIe Gen4	5th Gen Intel® Xeon® Scalable
	4U10G-GENOA2	PCIe Gen4	AMD EPYC™ 9004
	4U10G-GENOA2	PCIe Gen5	AMD EPYC™ 9004
	4U8G-EGS2	PCIe Gen4	4th Gen Intel® Xeon® Scalable
	4U8G-GENOA2	PCIe Gen4	AMD EPYC™ 9004
	4UXGM-TURIN2	PCIe Gen5	AMD EPYC™ 9005
NVIDIA L40	2U4G-GENOA/M3	PCIe Gen5	AMD EPYC™ 9004
	4U10G-EGS2	PCIe Gen4	5th Gen Intel® Xeon® Scalable
	4U10G-GENOA2	PCIe Gen4	AMD EPYC™ 9004
	4U10G-GENOA2	PCIe Gen5	AMD EPYC™ 9004
	4U8G-EGS2	PCIe Gen4	4th Gen Intel® Xeon® Scalable
	4U8G-GENOA2	PCIe Gen4	AMD EPYC™ 9004

Content

Scale-up GPU Servers		
NVIDIA HGX™ Rubin	2U16X-GNR2/DLC RUBIN	01
NVIDIA HGX™ B300	8U16X-GNR2 B300	02
	8U16X-TURIN2 B300	03
	4U16X-GNR2/DLC B300	04
	4U16X-GNR2/ZC B300	05
	4U16X-TURIN2/DLC B300	06
NVIDIA HGX™ B200	8U8X-EGS2 SYN B200	07
	8U8X-TURIN2 SYN B200	08
	4U8X-EGS2/DLC SYN B200	09
	4U8X-TURIN2/DLC SYN B200	10
NVIDIA HGX™ H200	6U8X-TURIN2 SYN H200	11

Edge GPU Server		
NVIDIA IGX™	2UXGI-THOR	12

Content

Scale-out GPU Servers		
NVIDIA GH200 Grace Hopper™ Superchip	MECAI-GH200	13
Intel® Xeon® 6700P-series, 6500P-series, and 6700E-series processors	6UXGM-GNR2 CX8/DLC	14
	4UXGM-GNR2 CX8	15
	4UXGM-GNR2	17
	4U10G-GNR2, 4U10G-GNR2/RF+	19
	4U8G-GNR2, 4U8G-GNR2/RF+, 4U8G-GNR2/SUPER_4L	22
	4U4G-GNR/HPR	24
	2U2G-GNR/HPR, 2U2G-GNR	30
	1U1G2E-GNR, 1U1G4E1S-GNR	38
Intel® Xeon® 600 Processors for Workstations	4U4G-W890/HPR AQUA	27
Intel® Xeon® E-2300 and 10th Gen Intel® Pentium®	1U1G-C256/2L2T	37

Content

Scale-out GPU Servers		
AMD EPYC™ 9005/9004 (with AMD 3D V-Cache™ Technology) and 97x4	4UXGM-TURIN2 CX8	16
	4UXGM-TURIN2	18
	4U10G-TURIN2, 4U10G-TURIN2/RF+	20
	4U8G-GENOA2, 4U10G-GENOA2	21
	4U8G-TURIN2, 4U8G-TURIN2/RF+, 4U8G-TURIN2/SUPER_4L	23
	4U4G-TURIN/HPR	25
	4U4G-GENOAX	26
	2U2G-TURIN/HPR, 2U2G-TURIN	31
	2U2G-GENOA	32
	2U4G-GENOA/M3	33
	1U1G2E-TURIN, 1U1G4E1S-TURIN	39
	1U1G-GENOA/M3	40
AMD EPYC™ 4005/4004 and AMD Ryzen™ 9000/8000/7000	2U1G-B650, 2U1G-B650/EVAC, 2U1G-B650/AQUA	34
	1U2N2G-AM5/2T	35
	1U1G-B650/2L2T, 1U1G-B650	36
AMD Ryzen™ Threadripper™ PRO 9000/7000WX	4U4G-TR5/2T AQUA	28

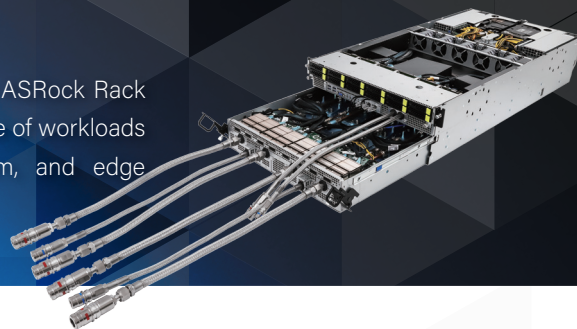
Scale-out GPU Servers		
Ampere Altra Max/Ampere Altra	4U2G-ALTRA/2T	29

About ASRock Rack

ASRock Rack Inc., established in 2013, specialized in the field of Cloud Computing server hardware. Inheriting ASRock's design concepts, Creativity, Consideration and Cost-effectiveness, the company is dedicated bringing the Server Industry out of the box thinking with the passion to innovate. Leveraged by ASRock's growing momentum and distribution channels, this young and vibrant company targets at the booming market of cloud computing and commits to serve the market with user friendly, eco-friendly, Do-It-Yourself Server hardware, featuring flexible and reliable products.

GPU Servers

Accelerating imaginations and breakthroughs with cutting-edge technology, the ASRock Rack GPU server lineup unlocks unmatched performance, excelling across a wide range of workloads including AI, HPC, cloud gaming, and video rendering for cloud, on-prem, and edge environments.

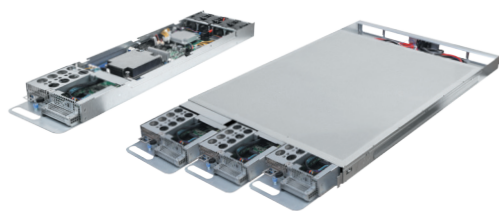


All-Flash NVMe Storage Servers

Built to support a high density of NVMe drives, the ASRock Rack All-Flash storage server delivers unparalleled speed, ultra-low latency, and high throughput—making it ideal for AI, HPC, CDN, and performance-driven environments where fast, reliable data access is critical.

Multi-Node Servers

Maximize performance and efficiency with ASRock Rack Multi-Node Servers—architected to deliver high-density computing, optimized resource utilization, and seamless scalability for modern data centers, cloud computing and web hosting.

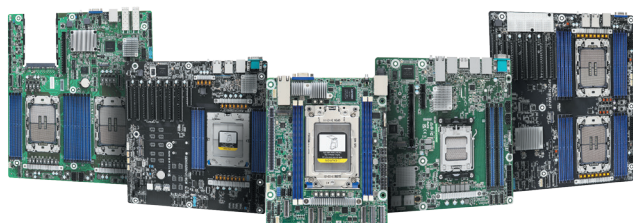


OCP

ASRock Rack OCP solutions are designed to enhance power efficiency, streamline rack integration, and promote sustainability in alignment with an open standard.

Rack Servers

ASRock Rack extensive portfolio of general purpose, compute, and storage servers in 1U, 2U, or 4U for diverse workloads from small business, virtualization, VDI, e-commerce to hyper-converged infrastructure, and more.



Server Motherboards

Tailor your servers and workstations with ASRock Rack versatile motherboards, powered by high-performance x86 and ARM-based processors. Choose from both single and dual socket options, and a wide range of form factors, to build the ideal solution for your unique computing needs.

2U16X-GNR2/DLC RUBIN



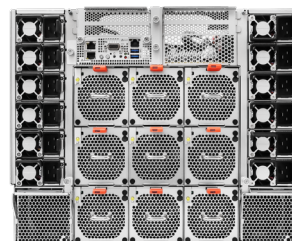
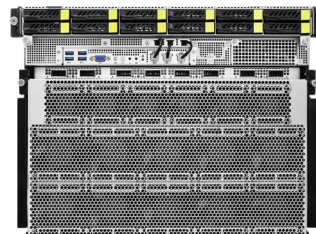
Application

- Agentic AI
- Mixture-of-Experts
- HPC



2U16X-GNR2/DLC RUBIN		
CPU	Socket	1+1 Socket E2 (LGA 4710); supports Intel® Xeon® 6700P-series, 6500P-series, and 6700E-series processors
GPU	Supported GPU	NVIDIA HGX™ Rubin NVL8
PCIe Switch	PCIe Switch	NVIDIA® ConnectX®-9
DIMM	Slot	16+16 DDR5 DIMM Slots (2DPC); supports RDIMM up to 128GB (2Rx4) each, max. 6400MT/s (1DPC), 5200MT/s (2DPC) RDIMM-3DS up to 256GB (4Rx4) each, max. 6400MT/s (1DPC), 5200MT/s (2DPC) MRDIMM up to 64GB (2Rx4) each, max 8000MT/s (1DPC)
System Physical Status	Form Factor	2U Rackmount
	Chassis Dimension	800 x 448 x 87mm (31.5" x 17.6" x 3.4")
Front Panel	Buttons	Power button w/ LED, UID button w/ LED, BMC Reset Button
	I/O	1 RJ45 (1GbE) by Intel® I210 1 dedicated IPMI 1 Type-A (USB3.2 Gen1) 1 Micro USB for BMC Debug 1 Mini-DisplayPort
Expansion Slots	Rear	1 FHHL PCIe6.0 x16
Drive Bay / Storage	External	8 Hot-swap E1.S NVMe (PCIe6.0 x4) drive bays
	Internal	2 M-key (PCIe6.0 x4), supports 2280 form factor
Networking	QSFP	8 QSFP (800Gb/s) ports via NVIDIA® ConnectX®-9
Power Supply	Module	54V DC Busbar
System Cooling	Liquid Cool	Direct-to-chip single-phase liquid cooling
Management	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI)

8U16X-GNR2 B300



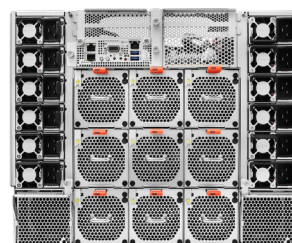
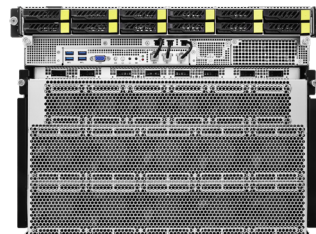
Application

- Generative AI and Virtual Assistants
- Hyperscale AI Research
- Large Scale AI Training



		8U16X-GNR2 B300
CPU	Socket	1+1 Socket E2 (LGA 4710); supports Intel® Xeon® 6700P-series, 6500P-series, and 6700E-series processors
GPU	Supported GPU	NVIDIA HGX™ B300 NVL8
PCIe Switch	PCIe Switch	PEX89114
DIMM	Slot	16+16 DDR5 DIMM Slots (2DPC); supports RDIMM up to 128GB (2Rx4) each, max. 6400MT/s (1DPC), 5200MT/s (2DPC) RDIMM-3DS up to 256GB (4Rx4) each, max. 6400MT/s (1DPC), 5200MT/s (2DPC) MRDIMM up to 64GB (2Rx4) each, max 8000MT/s (1DPC)
System Physical Status	Form Factor	8U Rackmount
	Chassis Dimension	930 x 448 x 353.6mm (36.6" x 17.6" x 13.9")
Front Panel	Buttons	Power button w/ LED, Reset button, NMI button, UID button
	LEDs	System fault LED, HDD activity LED
	I/O	2 RJ45 (1GbE) by Intel® i350, shares with Rear IO 1 dedicated IPMI, shares with Rear IO 4 Type-A (USB3.2 Gen1) 1 DB15 (VGA)
Rear IO	RJ45	2 RJ45 (1GbE) by Intel® i350, shares with Front Panel 1 dedicated IPMI, shares with Front Panel
	Others	1 UID button, 1 DB15 (VGA), 1 Type-A (USB3.2 Gen1)
Expansion Slots	Rear	4 FHHL PCIe5.0 x16
Drive Bay / Storage	External	12 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays from PCIe Switch
	Internal	1 M-key (PCIe5.0 x2); supports 22110/2280 form factor [CPU0] 2 M-key (PCIe5.0 x4); supports 22110/2280 form factor [CPU1]
Networking	OSFP	8 OSFP (800Gb/s) ports via NVIDIA® ConnectX®-8
Power Supply	Module	6+6, 80-PLUS Titanium, 3000W CRPS
System Cooling	Fan	26 PWM 80x80 mm fans + 6 PWM 60x56 mm fans
Management	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI) by optional accessory

8U16X-TURIN2 B300



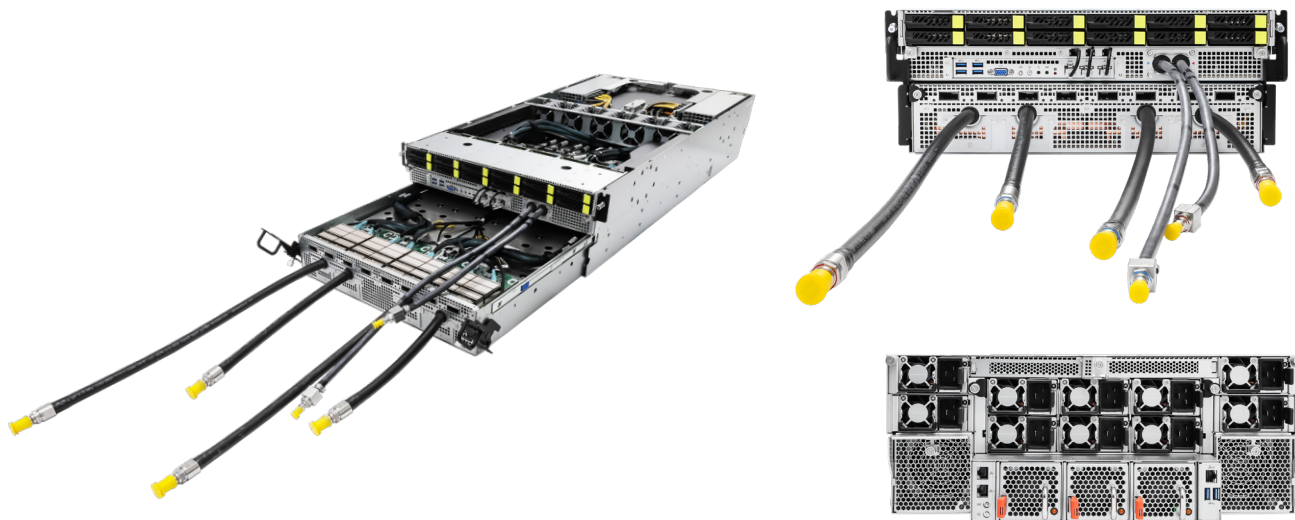
Application

- HPC
- Inference and Scientific Research
- Hyperscale AI Research



8U16X-TURIN2 B300		
CPU	Socket	1+1 Socket SP5 (LGA 6096); supports AMD EPYC™ 9005/9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors
	TDP	Up to 500W
DIMM	Slot	12+12 DIMM slots (1DPC)
System Physical Status	Form Factor	8U Rackmount
	Chassis Dimension	930 x 448 x 353.6mm(36.6" x 17.6" x 13.9")
Front Panel	Buttons	Power button w/ LED, Reset button, NMI button, UID button w/ LED
	LEDs	System fault LED, HDD activity LED
	I/O	2 RJ45 (1GbE) by Intel® i350, shared with Rear IO 1 dedicated IPMI, shares with Rear IO 4 Type-A (USB3.2 Gen1) 1 DB15 (VGA)
Rear IO	RJ45	2 RJ45 (1GbE) by Intel® i350, shares with Front Panel 1 dedicated IPMI, shares with Front Panel
	Others	1 power button w/LED, 1 reset button, 1 NMI button, 1 HDD activity LED, 1 system fault LED 2 Type-A (USB3.2 Gen1) 1 DB15 (VGA)
Expansion Slots	Rear	4 FHHL PCIe5.0 x16 [PCIe switch]
Drive Bay / Storage	External	12 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays [PCIe switch]
	Internal	M2_1 (PCIe3.0 x2 or SATA 6Gb/s); supports 22110/2280 form factor [CPU0] M2_2 (PCIe3.0 x4 or SATA 6Gb/s); supports 22110/2280 form factor [CPU1]
Networking	OSFP	8 OSFP (800Gb/s) via NVIDIA® ConnectX®-8 SuperNIC
Power Supply	Module	6+6, 80-PLUS Titanium, 3000W CRPS
System Cooling	Fan	26 PWM 80x80 mm fans, 6 PWM 60x56 mm fans
Management	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI) by optional accessory

4U16X-GNR2/DLC B300



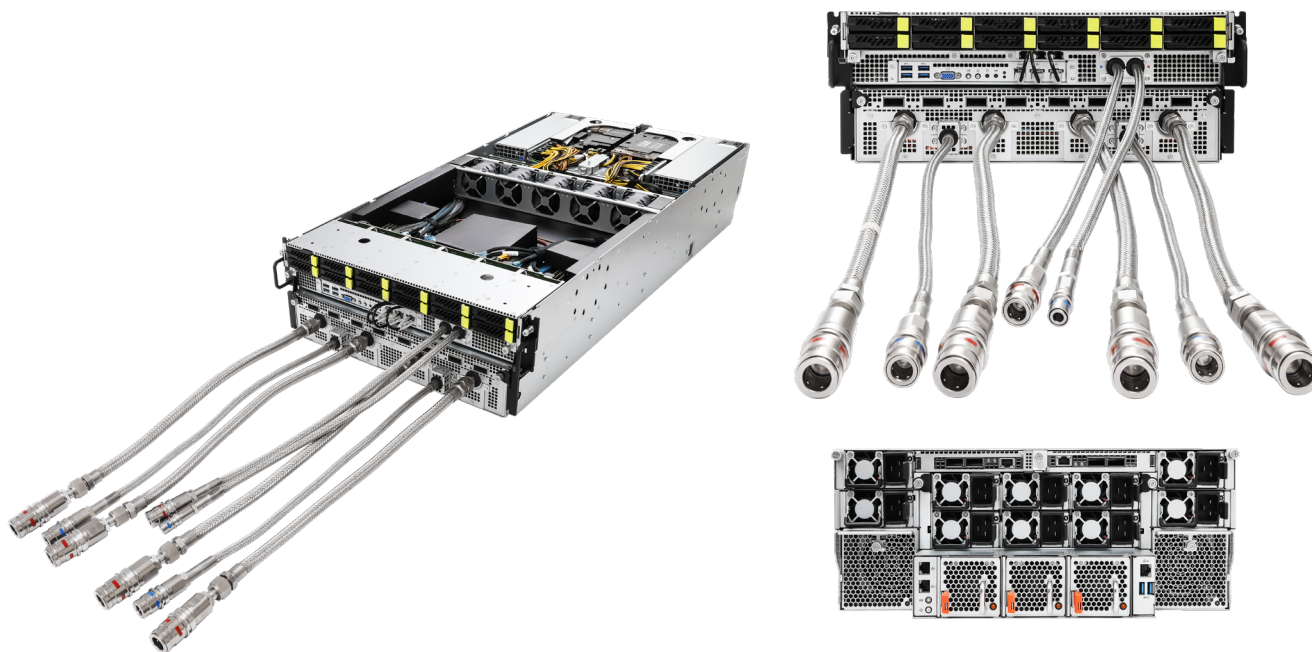
Application

- AI Training and Inference
- LLM Training
- High Performance Computing



4U16X-GNR2/DLC B300		
CPU	Socket	1+1 Socket E2 (LGA 4710); supports Intel® Xeon® 6700P-series, 6500P-series, and 6700E-series processors
GPU	Supported GPU	NVIDIA HGX™ B300 NVL8
PCIe Switch	PCIe Switch	PEX89104
DIMM	Slot	16+16 DDR5 DIMM Slots (2DPC); supports RDIMM up to 128GB (2Rx4) each, max. 6400MT/s (1DPC), 5200MT/s (2DPC) RDIMM-3DS up to 256GB (4Rx4) each, max. 6400MT/s (1DPC), 5200MT/s (2DPC) MRDIMM up to 64GB (2Rx4) each, max 8000MT/s (1DPC)
System Physical Status	Form Factor	4U Rackmount
	Chassis Dimension	900 x 448 x 175 (35.4" x 17.6" x 6.9")
Front Panel	Buttons	Power button w/ LED, Reset button, NMI button, UID button
	LEDs	System fault LED, HDD activity LED
	I/O	2 RJ45 (1GbE) by Intel® i350, shares with Rear IO 1 dedicated IPMI, shares with Rear IO 4 Type-A (USB3.2 Gen1) 1 DB15 (VGA)
Rear IO	RJ45	2 RJ45 (1GbE) by Intel® i350-AM2, shares with Front Panel 1 dedicated IPMI, shares with Front Panel
	Others	1 UID button, 2 Type-A (USB3.2 Gen1), 1 Power button w/ LED
Expansion Slots	Rear	2 FHHL PCIe5.0 x16 from PCIe Switch
Drive Bay / Storage	External	10 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays [PCIe Switch] 2 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays [CPU1]
	Internal	1 M-key (PCIe5.0 x2); supports 22110/2280 form factor [CPU0]
Networking	OSFP	8 OSFP (800Gb/s) ports via NVIDIA® ConnectX®-8
Power Supply	Module	5+5, 80-PLUS Titanium, 3000W CRPS
System Cooling	Fan	2 PWM 80x80mm fans + 8 PWM 60x56mm fans
	Liquid Cool	Direct-to-chip single phase liquid cooling
Management	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI)

4U16X-GNR2/ZC B300



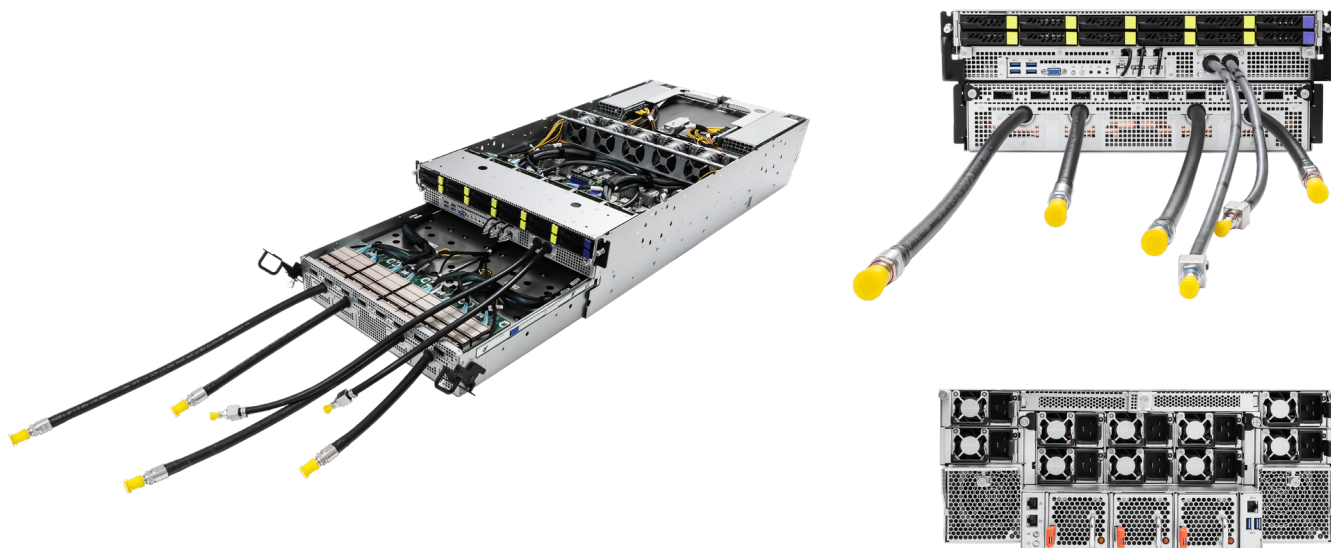
Application

- AI Training and Inference
- LLM Training
- High Performance Computing



4U16X-GNR2/ZC B300		
CPU	Socket	1+1 Socket E2 (LGA 4710); supports Intel® Xeon® 6700P-series, 6500P-series, and 6700E-series processors
GPU	Supported GPU	NVIDIA HGX™ B300 NVL8
PCIe Switch	PCIe Switch	PEX89104
DIMM	Slot	16+16 DDR5 DIMM Slots (2DPC); supports RDIMM up to 128GB (2Rx4) each, max. 6400MT/s (1DPC), 5200MT/s (2DPC) RDIMM-3DS up to 256GB (4Rx4) each, max. 6400MT/s (1DPC), 5200MT/s (2DPC) MRDIMM up to 64GB (2Rx4) each, max 8000MT/s (1DPC)
System Physical Status	Form Factor	4U Rackmount
	Chassis Dimension	900 x 448 x 175mm (35.4" x 17.6" x 6.9")
Front Panel	Buttons	Power button w/ LED, Reset button, NMI button, UID button
	LEDs	System fault LED, HDD activity LED
	I/O	2 RJ45 (1GbE) by Intel® i350-AM2, shares with Rear IO 1 dedicated IPMI, shares with Rear IO 4 Type-A (USB3.2 Gen1) 1 DB15 (VGA)
Rear IO	RJ45	2 RJ45 (1GbE) by Intel® i350-AM2, shares with Front Panel 1 dedicated IPMI, shares with Front Panel
	Others	Power button w/ LED, UID button, 2 Type-A (USB3.2 Gen1)
Expansion Slots	Rear	2 FHHL PCIe5.0 x16 from PCIe Switch
Drive Bay / Storage	External	10 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays [PCIe Switch] 2 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays [CPU1]
	Internal	1 M-key (PCIe5.0 x2); supports 22110/2280 form factor [CPU0]
Networking	OSFP	8 OSFP (800Gb/s) ports via NVIDIA® ConnectX®-8
Power Supply	Module	5+5, 80-PLUS Titanium, 3000W CRPS
System Cooling	Fan	2 PWM 80x80mm fans + 8 PWM 60x56mm fans
Management	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI) by optional accessory

4U16X-TURIN2/DLC B300



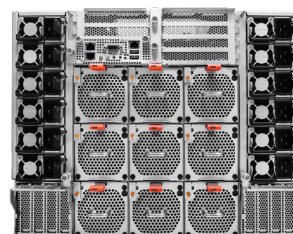
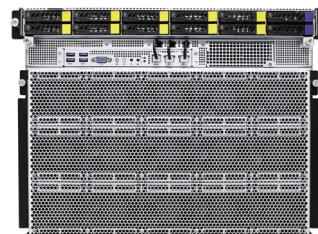
Application

- AI Training and Inference
- LLM Training
- High Performance Computing



4U16X-TURIN2/DLC B300		
CPU	Socket	1+1 Socket SP5 (LGA6096); supports AMD EPYC™ 9005/9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors
GPU	Supported GPU	NVIDIA HGX™ B300 NVL8
PCIe Switch	PCIe Switch	PEX89104
DIMM	Slot	12+12 DDR5 DIMM Slots (1DPC); supports RDIMM up to 128GB each, max. 6400MT/s RDIMM-3DS up to 256GB each, max. 6400MT/s
System Physical Status	Form Factor	4U Rackmount
	Chassis Dimension	900 x 448 x 175mm (35.4" x 17.6" x 6.9")
Front Panel	Buttons	Power button w/ LED, Reset button, NMI button, UID button
	LEDs	System fault LED, HDD activity LED
	I/O	2 RJ45 (1GbE) by Intel® i350-AM2, shares with Rear IO 1 dedicated IPMI, shares with Rear IO 4 Type-A (USB3.2 Gen1) 1 DB15 (VGA)
Rear IO	RJ45	2 RJ45 (1GbE) by Intel® i350-AM2, shares with Front Panel 1 dedicated IPMI, shares with Front Panel
	Others	Power button w/ LED, UID button, 2 Type-A (USB3.2 Gen1)
Expansion Slots	Rear	2 FHHL PCIe5.0 x16 from PCIe Switch
Drive Bay / Storage	External	10 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays [PCIe Switch]
	Internal	1 M-key (PCIe3.0 x2); supports 22110 form factor [CPU0] 1 M-key (PCIe3.0 x4); supports 22110 form factor [CPU1]
Networking	OSFP	8 OSFP (800Gb/s) ports via NVIDIA® ConnectX®-8
Power Supply	Module	5+5, 80-PLUS Titanium, 3000W CRPS
System Cooling	Fan	2 PWM 80x80mm fans + 8 PWM 60x56mm fans
Management	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI)

8U8X-EGS2 SYN B200



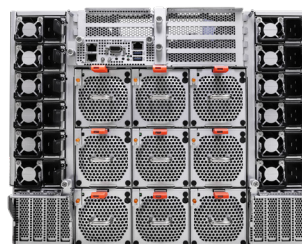
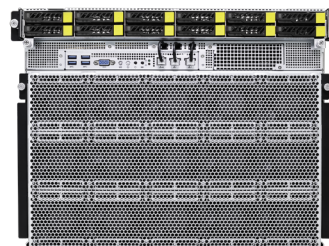
Application

- Generative AI and Virtual Assistants
- Large Language Models
- AI Training and Inference



		8U8X-EGS2 SYN B200
CPU	Socket	1+1 Socket E (LGA 4677); supports 5th and 4th Gen Intel® Xeon® Scalable processors
GPU	Supported GPU	Supports eight NVIDIA B200 GPUs
PCIe Switch	PCIe Switch	PEX89104
	Operation Mode	Synthetic mode for optimized performance of GPU-to-CPU, GPUDirect RDMA NIC, and GPUDirect Storage
DIMM	Slot	16+16 DDR5 288-pin DIMM Slots (2DPC); supports RDIMM up to 64GB each, RDIMM-3DS up to 256GB each max. 5600MT/s (1DPC) / 4400MT/s (2DPC) on 5th Gen Intel® Xeon® Scalable Processors max. 4800MT/s (1DPC) / 4400MT/s (2DPC) on 4th Gen Intel® Xeon® Scalable Processors
System Physical Status	Form Factor	8U Rackmount
	Chassis Dimension	930 x 448 x 353.6mm (36.6" x 17.6" x 13.9")
Front Panel	Buttons	Power button w/ LED, Reset button, NMI button, UID button
	LEDs	System fault LED, HDD activity LED
Rear IO	I/O	2 RJ45 (1GbE) by Intel® i350, shares with Rear IO 1 dedicated IPMI, shares with Rear IO 4 Type-A (USB3.2 Gen1) 1 DB15 (VGA)
	Others	2 RJ45 (1GbE) by Intel® i350, shares with Front Panel 1 dedicated IPMI, shares with Front Panel 1 UID button, 1 DB15 (VGA), 2 Type-A (USB3.2 Gen1)
Expansion Slots	Rear	8 HHHL PCIe5.0 x16 2 FHHL PCIe5.0 x16
Drive Bay / Storage	External	8 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays [PCIe switch] 2 Hot-swap 2.5" NVMe (PCIe5.0 x4) [CPU]/SATA [PCH] drive bays 2 Hot-swap 2.5" SATA drive bays [PCH]
	Internal	1 M-key (PCIe3.0 x4 or SATA 6Gb/s), supports 2280/22110 form factor [PCH] 1 M-key (PCIe3.0 x4), supports 2280/22110 form factor [PCH]
Power Supply	Module	6+6, 80-PLUS Titanium, 3000W CRPS
System Cooling	Fan	29 PWM 80x80 mm fans + 4 PWM 40x40 mm fans
Management	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI) by optional accessory

8U8X-TURIN2 SYN B200



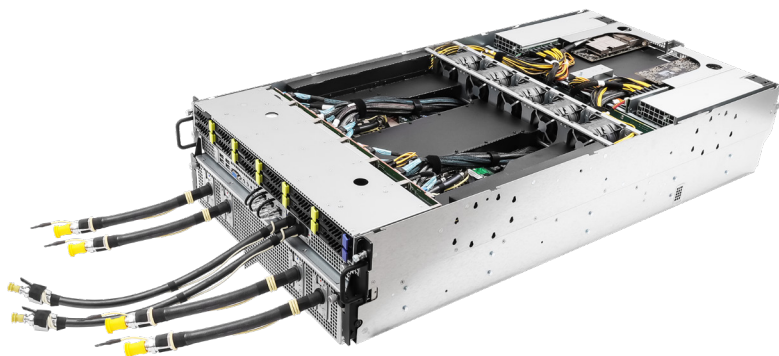
Application

- Generative AI and Virtual Assistants
- Large Language Models
- AI Training and Inference



8U8X-TURIN2 SYN B200		
CPU	Socket	1+1 Socket SP5 (LGA6096); supports AMD EPYC™ 9005/9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors
	TDP	Up to 500W
GPU	Supported GPU	Supports eight NVIDIA B200 GPUs
PCIe Switch	PCIe Switch	PEX89104
	Operation Mode	Synthetic mode for optimized performance of GPU-to-CPU, GPUDirect RDMA NIC, and GPUDirect Storage
DIMM	Slot	12+12 DDR5 DIMM Slots (1DPC); supports
		RDIMM up to 128GB each, max. 6400MT/s
System Physical Status	Form Factor	8U Rackmount
	Chassis Dimension	930 x 448 x 353.6mm (36.6" x 17.6" x 13.9")
Front Panel	Buttons	Power button w/ LED, Reset button, NMI button, UID button
	LEDs	System fault LED, HDD activity LED
	I/O	2 RJ45 (1GbE) by Intel® i350, shares with Rear IO
		1 dedicated IPMI, shares with Rear IO
Rear IO	RJ45	4 Type-A (USB3.2 Gen1)
		1 DB15 (VGA)
Expansion Slots	Rear	2 RJ45 (1GbE) by Intel® i350, shares with Front Panel
		1 dedicated IPMI, shares with Front Panel
Drive Bay / Storage	External	1 UID button, 1 DB15 (VGA), 1 Type-A (USB3.2 Gen1)
		8 HHHL PCIe5.0 x16
	Internal	1 FHHL PCIe5.0 x16
		8 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays from PCIe Switch
Power Supply	Module	4 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays from CPU
		1 M-key (PCIe3.0 x2 or SATA 6Gb/s); supports 22110/2280 form factor [CPU0]
System Cooling	Fan	1 M-key (PCIe3.0 x4 or SATA 6Gb/s); supports 22110/2280 form factor [CPU1]
		6+6, 80-PLUS Titanium, 3000W CRPS
Management	BMC	29 PWM 80x80 mm fans + 4 PWM 40x40 mm fans
Security	BMC	ASPEED AST2600
		TPM (13-pin, SPI) by optional accessory

4U8X-EGS2/DLC SYN B200



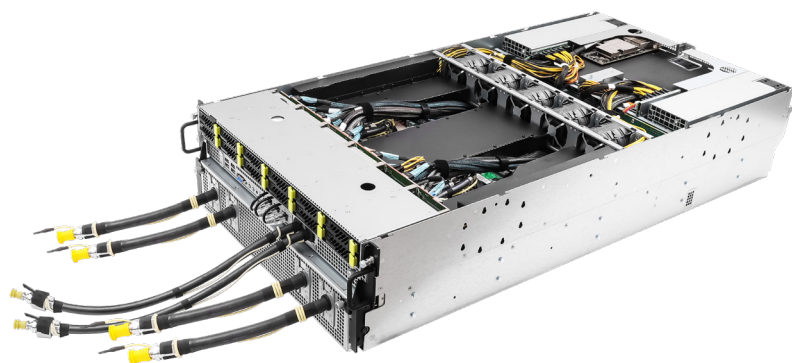
Application

- AI Real-time Inference
- Large Language Models
- Mixture-of-Experts Models



4U8X-EGS2/DLC SYN B200		
CPU	Socket	1+1 Socket E (LGA 4677); supports 5th and 4th Gen Intel® Xeon® Scalable processors
GPU	Supported GPU	Supports eight NVIDIA B200 GPUs
PCIe Switch	PCIe Switch	PEX89104
	Operation Mode	Synthetic mode for optimized performance of GPU-to-CPU, GPUDirect RDMA NIC, and GPUDirect Storage
DIMM	Slot	16+16 DDR5 288-pin DIMM Slots (2DPC); supports RDIMM up to 64GB each, RDIMM-3DS up to 256GB each
		5600MT/s (1DPC) / 4400MT/s (2DPC) on 5th Gen Intel® Xeon® Scalable Processors 4800MT/s (1DPC) / 4400MT/s (2DPC) on 4th Gen Intel® Xeon® Scalable Processors
System Physical Status	Form Factor	4U Rackmount
	Chassis Dimension	870 x 446 x 175mm (34.3" x 17.6" x 6.9")
Front Panel	Buttons	Power button w/ LED, reset button, NMI button, UID button w/ LED
	LEDs	System fault LED, HDD activity LED
	I/O	2 RJ45 (1GbE) by Intel® i350, share with rear I/O
		1 Dedicated IPMI, shares with rear I/O 4 Type-A (USB3.2 Gen1) 1 DB15 (VGA)
Rear IO	RJ45	2 RJ45 (1GbE) by Intel® i350, share with front panel 1 Dedicated IPMI, shares with front panel
	USB	2 Type-A (USB3.2 Gen1)
	Others	1 UID button w/ LED, 1 Power button w/ LED
Expansion Slots	Rear	8 FHHL PCIe5.0 x16 from PCIe Switch
		2 FHHL PCIe5.0 x16 from CPU
Drive Bay / Storage	External	8 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays from PCIe Switch
		2 Hot-swap 2.5" NVMe (PCIe5.0 x4)/SATA drive bays from CPU
	Internal	2 Hot-swap 2.5" SATA drive bays [PCH]
		1 M-key (PCIe3.0 x4 or SATA 6Gb/s); supports 2280/22110 form factor [PCH] 1 M-key (PCIe3.0 x4); supports 2280/22110 form factor [PCH]
Power Supply	Module	4+4, 80-Plus Titanium, 3000W CRPS
System Cooling	Fan	10 PWM 60x56 mm fans
Management	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI) by optional accessory

4U8X-TURIN2/DLC SYN B200



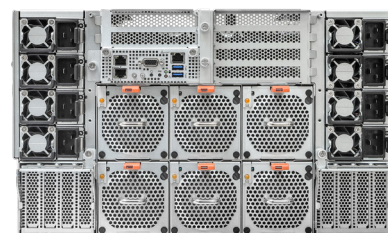
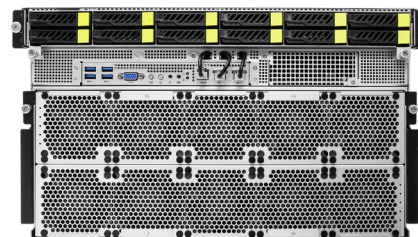
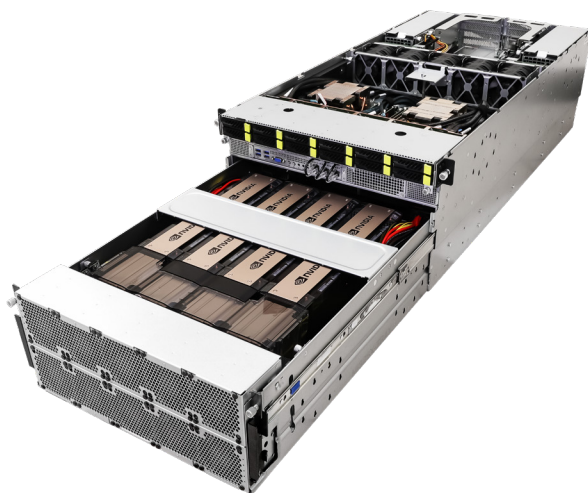
Application

- AI Real-time Inference
- Large Language Models
- Mixture-of-Experts Models



4U8X-TURIN2/DLC SYN B200		
CPU	Socket	1+1 Socket SP5 (LGA6096); supports AMD EPYC™ 9005/9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors
	TDP	Up to 500W
GPU	Supported GPU	Supports eight NVIDIA B200 GPUs
PCIe Switch	PCIe Switch	PEX89104
	Operation Mode	Synthetic mode for optimized performance of GPU-to-CPU, GPUDirect RDMA NIC, and GPUDirect Storage
DIMM	Slot	12+12 DDR5 DIMM Slots (1DPC); supports
		RDIMM up to 128GB each, max. 6400MT/s RDIMM-3DS up to 256GB each, max. 6400MT/s
System Physical Status	Form Factor	4U Rackmount
	Chassis Dimension	900 x 448 x 175mm (35.4" x 17.6" x 6.9")
Front Panel	Buttons	Power button w/ LED, Reset button, NMI button, UID button
	LEDs	System fault LED, HDD activity LED
	I/O	2 RJ45 (1GbE) by Intel® i350, shares with Rear IO 1 dedicated IPMI, shares with Rear IO 4 Type-A (USB3.2 Gen1) 1 DB15 (VGA)
Rear IO	RJ45	2 RJ45 (1GbE) by Intel® i350, shares with Front Panel 1 dedicated IPMI, shares with Front Panel UID button, 1 DB15 (VGA), 2 Type-A (USB3.2 Gen1)
	USB	2 Type-A (USB3.2 Gen1)
	Others	1 DB15 (VGA), 1 UID w/ LED
Expansion Slots	Rear	8 FHHL PCIe5.0 x16 from PCIe Switch 1 FHHL PCIe5.0 x16 from CPU
Drive Bay / Storage	External	8 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays from PCIe Switch 4 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays from CPU
	Internal	1 M-key (PCIe3.0 x2 or SATA 6Gb/s); supports 22110/2280 form factor [CPU0] 1 M-key (PCIe3.0 x4 or SATA 6Gb/s); supports 22110/2280 form factor [CPU1]
Power Supply	Module	4+4, 80-Plus Titanium, 3000W CRPS
System Cooling	Fan	10 PWM 60x56 mm fans
Management	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI) by optional accessory

6U8X-TURIN2 SYN H200



Application

- Generative AI and Virtual Assistants
- Large Language Models
- AI Training and Inference



6U8X-TURIN2 SYN H200		
CPU	Socket	1+1 Socket SP5 (LGA6096); supports AMD EPYC™ 9005/9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors
	TDP	Up to 500W
GPU	Supported GPU	Supports eight NVIDIA H200 GPUs
PCIe Switch	PCIe Switch	PEX89104
	Operation Mode	Synthetic mode for optimized performance of GPU-to-CPU, GPUDirect RDMA NIC, and GPUDirect Storage
DIMM	Slot	12+12 DDR5 DIMM Slots (1DPC); supports
		RDIMM up to 128GB each, max. 6400MT/s
System Physical Status	Form Factor	6U Rackmount
	Chassis Dimension	930 x 448 x 264.7mm (36.6" x 17.6" x 10.4")
Front Panel	Buttons	Power button w/ LED, reset button, NMI button, UID button w/ LED
	LEDs	System fault LED, hard drive activity LED
	I/O	2 RJ45 (1GbE) by Intel® i350, share with rear I/O
		1 Dedicated IPMI, shares with rear I/O
Rear IO	RJ45	4 Type-A (USB3.2 Gen1)
		1 DB15 (VGA)
	USB	2 RJ45 (1GbE) by Intel® i350, share with front panel
		1 Dedicated IPMI, shares with front panel
Expansion Slots	Rear	2 Type-A (USB3.2 Gen1)
		1 DB15 (VGA), Power button w/ LED, reset button, NMI button, UID button w/ LED, System fault LED, hard drive activity LED
		8 HHHL PCIe5.0 x16
Drive Bay / Storage	Internal	2 FHHL PCIe5.0 x16
		8 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays from PCIe switch
		4 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays from CPU
Power Supply	Module	1 M-key (PCIe3.0 x2 or SATA 6Gb/s), supports 22110/2280 form factor [CPU0]
		1 M-key (PCIe3.0 x4 or SATA 6Gb/s), supports 22110/2280 form factor [CPU1]
System Cooling	Fan	4+4, 80-PLUS Titanium, 3000W CRPS
System Management	BMC	21 PWM 80x80 mm fans
Management	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI) by optional accessory

2UXGI-THOR



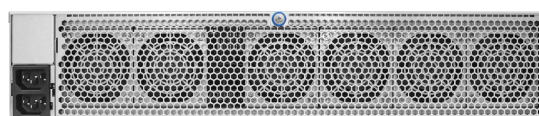
Application

- Real-Time Generative AI
- Edge AI
- Medical Robotics



2UXGI-THOR		
System Physical Status	Form Factor	2U Short-depth NVIDIA MGX™
	Chassis Dimension	420 x 438 x 87 mm (16.5" x 17.2" x 3.4")
Processor System	NVIDIA Module	NVIDIA IGX™ T7000
	iGPU	2,560-core NVIDIA Blackwell architecture GPU with 96 fifth-generation Tensor Cores
	CPU	14-core Arm Neoverse-V3AE 64-bit CPU
Front Panel	Buttons	Power button
	I/O	4 USB Type-A (USB3.2 Gen2)
		1 USB Type-C (USB3.2 Gen2)
		2 Audio Jacks (Line-out, Mic-in)
		1 DisplayPort 1.4a
Expansion Slots	QSFP112	2 QSFP112 (up to 200GbE) by on-board NVIDIA® ConnectX®-7
	RJ45	2 RJ45 (1GbE) by NVIDIA IGX Thor™ SoC (1 shared with IPMI)
	PCIe x16	1 FHFL dual-slot PCIe5.0 x16 w/ NVIDIA RTX PRO™ 6000 Blackwell Max-Q Workstation Edition or NVIDIA RTX PRO™ 5000 Blackwell
Drive Bay / Storage	Internal	1 M-key (PCIe5.0 x2); supports 2280 form factor
Power Supply	Module	1+1 Hot-swap, 80-PLUS Platinum, 800W CRPS
System Cooling	Fan	2 PWM fixed 60x25 mm fans
		2 PWM fixed 60x10 mm fans
Management	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI)

MECAI-GH200



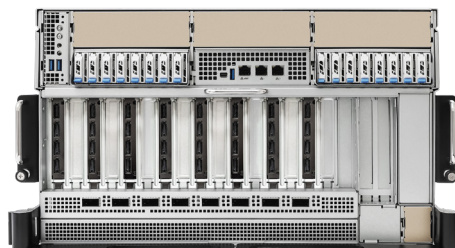
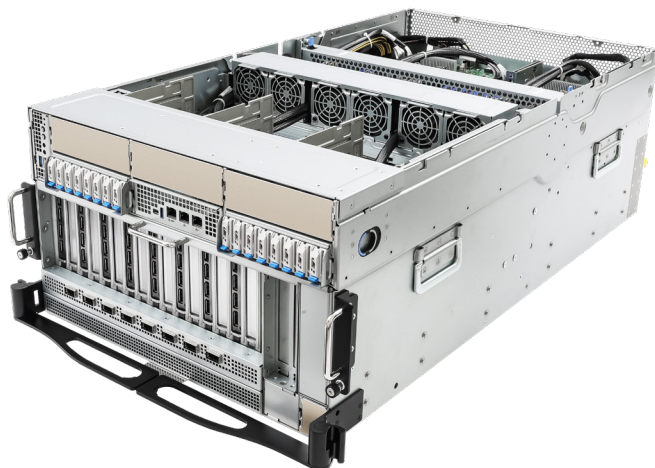
Application

- AI Training and Inference
- Large Language Models
- Generative AI



MECAI-GH200		
System Physical Status	Form Factor Chassis Dimension	2U NVIDIA MGX™ 420 x 438 x 87mm (16.5" x 17.2" x 3.4")
Processor System	CPU	NVIDIA GH200 Grace Hopper™ Superchip: 1x Grace CPU 1x Hopper H100 GPU NVLink-C2C for CPU-GPU interconnect
Front Panel	Buttons I/O	Reset button, UID button w/LED, Power button w/LED 1 Mini DisplayPort (VGA) 1 Micro USB (COM) 1 Type-A (USB3.2 Gen1) 1 dedicated IPMI
Rear IO	RJ45 USB Others	1 dedicated IPMI 2 Type-A (USB3.2 Gen1) 1 DB15 (VGA), 1 UID button w/ LED
Expansion Slots	PCIe x16	1 HHHL single-slot PCIe5.0 x16 for NVIDIA® ConnectX-7 NICs 1 FHHL dual-slot PCIe5.0 x16 for NVIDIA® BlueField-3 DPU
Drive Bay / Storage	External Internal	2 E1.S (PCIe5.0 x4) 2 M-key (PCIe5.0 x4), supports 22110/2280 form factor
Power Supply	Module	1+1 ,80-PLUS Platinum, 2000W CRPS
System Cooling	Fan	6 PWM Hot-swap 60x76mm fans
Management		ASPEED AST2600
Security		TPM (13-pin, SPI) by optional accessory

6UXGM-GNR2 CX8/DLC



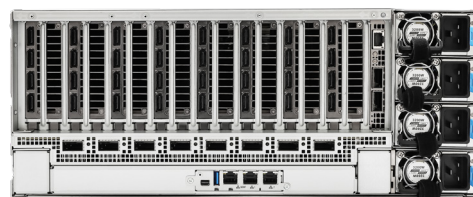
Application

- AI Training and Inference
- HPC
- Inference and Scientific Research



6UXGM-GNR2 CX8/DLC		
CPU	Socket	1+1 Socket E2 (LGA 4710); supports Intel® Xeon® 6700P-series, 6500P-series, and 6700E-series processors
	TDP	Up to 350W
DIMM	Slot	16+16 DDR5 DIMM Slots (2DPC); supports RDIMM up to 128GB (2Rx4) each, max. 6400MT/s (1DPC), 5200MT/s (2DPC) RDIMM-3DS up to 256GB (4Rx4) each, max. 6400MT/s (1DPC), 5200MT/s (2DPC) MRDIMM up to 64GB (2Rx4) each, max 8000MT/s (1DPC)
	Form Factor	6U NVIDIA MGX™
System Physical Status	Chassis Dimension	800 x 438 x 264mm (31.5" x 17.2" x 10.4" w/o ear or handle)
Front Panel	Buttons	Power button w/ LED, Reset button, NMI button, UID button w/ LED
	LEDs	System fault LED, HDD activity LED, LAN1/LAN2 activity LED
Expansion Slots	I/O	3 Type-A (USB 3.2 Gen1) 1 dedicated IPMI 1 Mini-DisplayPort
	Front	8 FHFL dual-slot PCIe5.0 x16 1 FHHL PCIe5.0 x16
Ethernet	Additional Ethernet Controller	Intel® i350: 2 RJ45 (1GbE)
Drive Bay / Storage	External	16 Hot-swap E1.S (PCIe5.0 x4) drive bays, supports 9.5mm/15mm width
	Internal	1 M-key (PCIe5.0 x4); supports 2280 form factor [CPU0] 1 M-key (PCIe5.0 x2); supports 2280 form factor [CPU0]
Networking	OSFP	8 QSFP112 (400Gb/s) ports via NVIDIA® ConnectX®-8
Power Supply	Module	3+3, 80-PLUS Titanium, 3200W CRPS
System Cooling	Fan	6 hot-swap 60x56 mm fans
	Liquid Cool	Single-phase direct liquid cool
Management	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI) by optional accessory

4UXGM-GNR2 CX8



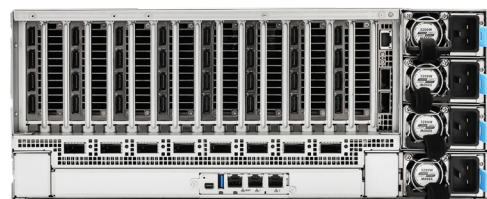
Application

- AI Fine-tuning and Inferencing
- Digital Twins
- Agentic AI
- Visual Computing



		4UXGM-GNR2 CX8
CPU	Socket	1+1 Socket E2 (LGA 4710); supports Intel® Xeon® 6700P-series, 6500P-series, and 6700E-series processors
	TDP	Up to 350W
DIMM	Slot	16+16 DDR5 DIMM Slots (2DPC); supports RDIMM up to 128GB (2Rx4) each, max. 6400MT/s (1DPC), 5200MT/s (2DPC) RDIMM-3DS up to 256GB (4Rx4) each, max. 6400MT/s (1DPC), 5200MT/s (2DPC) MRDIMM up to 64GB (2Rx4) each, max 8000MT/s (1DPC)
System Physical Status	Form Factor	4U Rackmount, NVIDIA MGX™ 4U Compliant
	Chassis Dimension	800 x 438 x 176.5 mm (31.5" x 17.2" x 6.9")
Front Panel	Buttons	Power button w/ LED, Reset button, NMI button, UID button w/ LED
	LEDs	System fault LED, HDD activity LED, LAN1/LAN2 activity LED
Rear IO	I/O	2 Type-A (USB3.2 Gen1)
	RJ45	2 RJ45 (1GbE) by Intel® i350
Expansion Slots	Others	1 dedicated IPMI
		UID button, Reset button, Power button, 1 Type-A (USB3.2 Gen1), 1 Mini-DisplayPort
Drive Bay / Storage	Rear	8 FHFL dual-slot PCIe5.0 x16
		1 FHHL PCIe5.0 x16
Networking	External	16 Hot-swap E1.S (PCIe5.0 x4) drive bays, supports 9.5mm/15mm width
	Internal	1 M-key (PCIe5.0 x4); supports 2280 form factor [CPU0]
Power Supply		1 M-key (PCIe5.0 x2); supports 2280 form factor [CPU0]
		8 QSFP112 (400Gb/s) ports via NVIDIA® ConnectX®-8
System Cooling	OSFP	3+1, 80-PLUS Titanium, 3200W CRPS
	Fan	10 Hot-swap 80x80 mm fans
Management	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI) by optional accessory

4UXGM-TURIN2 CX8



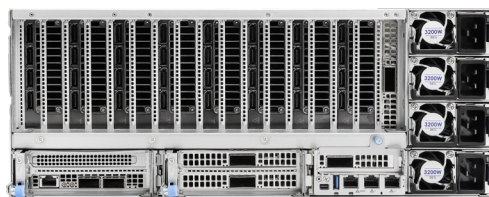
Application

- AI Fine-tuning and Inferencing
- Digital Twins
- Agentic AI
- Visual Computing



4UXGM-TURIN2 CX8		
CPU	Socket	1+1 Socket SP5 (LGA 6096); supports AMD EPYC™ 9005/9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors
	TDP	Up to 500W
DIMM	Slot	12+12 DDR5 DIMM Slots (1DPC); supports RDIMM up to 128GB each, max. 6400MT/s
		RDIMM-3DS up to 256GB each, max. 6400MT/s
System Physical Status	Form Factor	4U Rackmount, NVIDIA MGX™ 4U Compliant
	Chassis Dimension	800 x 438 x 176.5 mm (31.5" x 17.2" x 6.9")
Front Panel	Buttons	Power button w/ LED, Reset button, NMI button, UID button w/ LED
	LEDs	System fault LED, HDD activity LED, LAN1/LAN2 activity LED
Rear IO	I/O	2 Type-A (USB3.2 Gen1)
Rear IO	RJ45	2 RJ45 (1GbE) by Intel® i350
	Others	1 dedicated IPMI
Expansion Slots		UID button, Power button, 1 System fault LED
		1 Type-A (USB3.2 Gen1), 1 Mini-DisplayPort (VGA)
Drive Bay / Storage	External	8 FHFL dual-slot PCIe5.0 x16
	Internal	1 FHHL PCIe5.0 x16
Networking		16 Hot-swap E1.S (PCIe5.0 x4) drive bays, supports 9.5mm/15mm width
		1 M-key (PCIe3.0 x4); supports 2280 form factor [CPU0]
Power Supply		1 M-key (PCIe3.0 x4); supports 2280 form factor [CPU1]
System Cooling	OSFP	8 QSFP112 (400Gb/s) ports via NVIDIA® ConnectX®-8
	Module	3+1, 80-PLUS Titanium, 3200W CRPS
Management	Fan	10 Hot-swap 80x80 mm fans
	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI)

4UXGM-GNR2



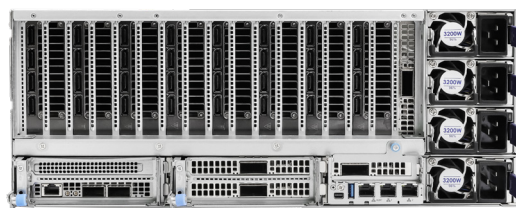
Application

- High Performance Computing
- Data Analytics
- AI Inference



4UXGM-GNR2		
CPU	Socket	1+1 Socket E2 (LGA 4710); supports Intel® Xeon® 6700P-series, 6500P-series, and 6700E-series processors
	TDP	Up to 350W
DIMM	Slot	16+16 DDR5 DIMM Slots (2DPC); supports RDIMM up to 128GB (2Rx4) each, max. 6400MT/s (1DPC), 5200MT/s (2DPC)
		RDIMM-3DS up to 256GB (4Rx4) each, max. 6400MT/s (1DPC), 5200MT/s (2DPC)
System Physical Status	Form Factor	4U Rackmount, NVIDIA MGX™ 4U Compliant
	Chassis Dimension	800 x 438 x 176.5 mm (31.5" x 17.2" x 6.9")
Front Panel	Buttons	Power button w/ LED, Reset button, NMI button, UID button w/ LED
	LEDs	System fault LED, HDD activity LED, LAN1/LAN2 activity LED
Rear IO	I/O	2 Type-A (USB3.2 Gen1)
	RJ45	2 RJ45 (1GbE) by Intel® i350
Expansion Slots	Others	1 dedicated IPMI
		UID button, Reset button, Power button, 1 Type-A (USB3.2 Gen1), 1 Mini-DisplayPort
Drive Bay / Storage	Rear	8 FHFL dual-slot PCIe5.0 x16
		5 FHHL PCIe5.0 x16
Power Supply	Module	1 HHL PCIe5.0 x16
		16 Hot-swap E1.S (PCIe5.0 x4) drive bays, supports 9.5mm/15mm width
System Cooling	External	1 M-key (PCIe5.0 x4); supports 2280 form factor [CPU0]
	Internal	1 M-key (PCIe5.0 x2); supports 2280 form factor [CPU0]
Power Supply	Module	3+1, 80-PLUS Titanium, 3200W CRPS
System Cooling	Fan	10 Hot-swap 80x80 mm fans
Management	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI) by optional accessory

4UXGM-TURIN2



Application

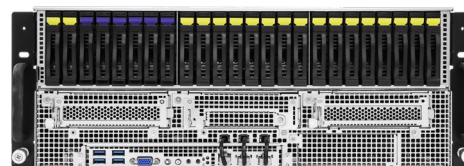
- High Performance Computing
- Data Analytics
- AI Inference



4UXGM-TURIN2		
CPU	Socket	1+1 Socket SP5 (LGA 6096); supports AMD EPYC™ 9005/9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors
	TDP	Up to 500W
DIMM	Slot	12+12 DDR5 DIMM Slots (1DPC); supports RDIMM up to 128GB each, max. 6400MT/s
		RDIMM-3DS up to 256GB each, max. 6400MT/s
System Physical Status	Form Factor	4U Rackmount, NVIDIA MGX™ 4U Compliant
	Chassis Dimension	800 x 438 x 176.5 mm (31.5" x 17.2" x 6.9")
Front Panel	Buttons	Power button w/ LED, Reset button, NMI button, UID button w/ LED
	LEDs	System fault LED, HDD activity LED, LAN1/LAN2 activity LED
Rear IO	I/O	2 Type-A (USB3.2 Gen1)
	RJ45	2 RJ45 (1GbE) by Intel® i350
Expansion Slots	Others	1 dedicated IPMI
		UID button, Reset button, Power button, 1 Type-A (USB3.2 Gen1), 1 Mini-DisplayPort
Drive Bay / Storage	Rear	8 FHFL dual-slot PCIe5.0 x16
		5 FHHL PCIe5.0 x16
Power Supply	External	1 HHHL PCIe5.0 x16
	Internal	16 Hot-swap E1.S (PCIe5.0 x4) drive bays, supports 9.5mm/15mm width
System Cooling		1 M-key (PCIe3.0 x4); supports 2280 form factor [CPU0]
		1 M-key (PCIe3.0 x4); supports 2280 form factor [CPU1]
Management	BMC	3+1, 80-PLUS Titanium, 3200W CRPS
Security		10 Hot-swap 80x80 mm fans
		ASPEED AST2600
		TPM (13-pin, SPI)

4U10G-GNR2

4U10G-GNR2/RF+



Application

- AI Real-time Inference
- Big Data Analytics
- Machine Learning



		4U10G-GNR2	4U10G-GNR2/RF+
CPU	Socket	1+1 Socket E2 (LGA 4710); supports Intel® Xeon® 6700P-series, 6500P-series, and 6700E-series processors	
	TDP	Up to 350W	
DIMM	Slot	16+16 DDR5 DIMM Slots (2DPC); supports RDIMM up to 128GB (2Rx4) each, max. 6400MT/s (1DPC), 5200MT/s (2DPC) RDIMM-3DS up to 256GB (4Rx4) each, max. 6400MT/s (1DPC), 5200MT/s (2DPC) MRDIMM up to 64GB (2Rx4) each, max 8000MT/s (1DPC)	
	Form Factor	4U Rackmount	
System Physical Status	Chassis Dimension	786 x 438 x 176.5 mm (30.9" x 17.2" x 6.9")	867 x 438 x 176.5 mm (34.1" x 17.2" x 6.9")
Front Panel	Buttons	Power button w/ LED, Reset button, NMI button, UID button	
	LEDs	System fault LED, HDD activity LED	
Rear IO	I/O	2 RJ45 (1GbE) by Intel® i350, shares with Rear IO 1 dedicated IPMI, shares with Rear IO 4 Type-A (USB3.2 Gen1) 1 DB15 (VGA)	
	Others	2 RJ45 (1GbE) by Intel® i350, shares with Front Panel 1 dedicated IPMI, shares with Front Panel 2 Type-A (USB3.2 Gen1), UID button, 1 DB15 (VGA)	
Expansion Slots	Front	2 FHFL PCIe5.0 x16 1 OCP NIC 3.0 (PCIe5.0 x16)	
	Rear	10 FHFL dual-slot PCIe5.0 x16 (with PEX89104 PCIe Switch) 1 FHFL single-slot PCIe5.0 x16 (CPU direct link)	
Drive Bay / Storage	External	18 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays 6 Hot-swap 2.5" SATA/SAS ^{Note1} drive bays	
	Internal	1 M-key (PCIe5.0 x4); supports 22110/2280 form factor [CPU0]	
Power Supply	Module	3+1, 80-PLUS Titanium, 3200W CRPS	
System Cooling	Fan	5 middle hot-swap 80x80 mm fans (20400/18000 RPM)	5 middle + 5 rear hot-swap 80x80 mm fans (20400/18000 RPM)
Management	BMC	ASPEED AST2600	
Security		TPM (13-pin, SPI) by optional accessory	

Note1: Additional RAID/HBA card required to support the 6x 2.5" SATA/SAS drive bays

4U10G-TURIN2

4U10G-TURIN2/RF+



Application

- AI Real-time Inference
- Big Data Analytics
- Machine Learning



		4U10G-TURIN2	4U10G-TURIN2/RF+
CPU	Socket	1+1 Socket SP5 (LGA 6096); supports AMD EPYC™ 9005/9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors	
	TDP	Up to 500W	
DIMM	Slot	12+12 DDR5 DIMM Slots (1DPC); supports RDIMM up to 128GB each, max. 6400MT/s RDIMM-3DS up to 256GB each, max. 6400MT/s	
	Form Factor	4U Rackmount	
System Physical Status	Chassis Dimension	786 x 438 x 176.5 mm (30.9" x 17.2" x 6.9")	867 x 438 x 176.5 mm (34.1" x 17.2" x 6.9")
Front Panel	Buttons	Power button w/ LED, Reset button, NMI button, UID button	
	LEDs	System fault LED, HDD activity LED	
Rear IO	I/O	2 RJ45 (1GbE) by Intel® i350, shares with Rear IO 4 Type-A (USB3.2 Gen1) 1 dedicated IPMI, shares with Rear IO 1 DB15 (VGA)	
	RJ45	2 RJ45 (1GbE) by Intel® i350, shares with Front Panel 1 dedicated IPMI, shares with Front Panel	
Expansion Slots	Others	2 Type-A (USB3.2 Gen1), UID button, 1 DB15 (VGA)	
	Front	2 FHFL PCIe5.0 x16 1 OCP NIC 3.0 (PCIe5.0 x16)	
Drive Bay / Storage	Rear	10 FHFL dual-slot PCIe5.0 x16 (with PEX89104 PCIe Switch) 1 FHFL single-slot PCIe5.0 x16 (CPU direct link)	
	External	16 hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays or 24 Hot-swap 2.5" SATA/SAS ^{Note1} drive bays	
Power Supply	Internal	1 M-key (PCIe3.0 x4 or SATA 6Gb/s); supports 22110/2280 form factor [CPU0] 1 M-key (PCIe3.0 x4 or SATA 6Gb/s); supports 22110/2280 form factor [CPU1]	
	Module	3+1, 80-PLUS Titanium, 3200W CRPS	
System Cooling	Fan	5 middle hot-swap 80x80 mm fans (20400/18000 RPM)	5 middle + 5 rear hot-swap 80x80 mm fans (20400/18000 RPM)
Management	BMC	ASPEED AST2600	
Security		TPM (13-pin, SPI)	

Note1: Additional RAID/HBA card required to support the 24 x 2.5" SATA/SAS drive bays

4U8G-GENOA2

4U10G-GENOA2



Application

- Deep Learning
- Big Data Analytics
- HPC
- Machine Learning

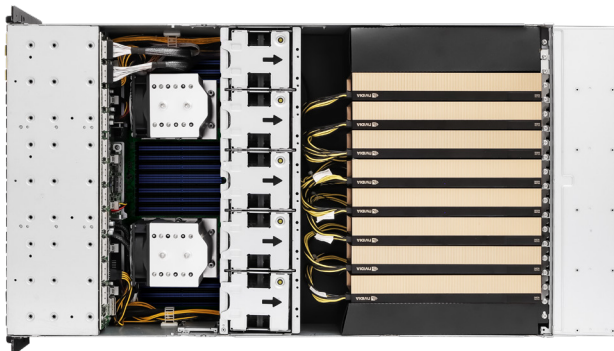


		4U8G-GENOA2	4U10G-GENOA2
CPU	Socket	1+1 Socket SP5 (LGA 6096); supports AMD EPYC™ 9005/9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors	
	TDP	Up to 400W	
DIMM	Slot	12+12 DDR5 DIMM Slots (1DPC); supports RDIMM up to 128GB each, max. 5200MT/s RDIMM-3DS up to 256GB each, max. 5200MT/s	
	Form Factor	4U Rackmount	
System Physical Status	Chassis Dimension	786 x 438 x 176.5 mm (30.9" x 17.24" x 6.95")	
	Buttons	Power button w/ LED, Reset button, NMI button, UID button	
Front Panel	LEDs	System fault LED, HDD activity LED	
	I/O	2 RJ45 (1GbE) by Intel® i350, shares with Rear IO 4 Type-A (USB3.2 Gen1) 1 DB15 (VGA)	
Rear IO	RJ45	2 RJ45 (1GbE) by Intel® i350, shares with Front Panel 1 dedicated IPMI, shares with Front Panel	
	Others	2 Type-A (USB3.2 Gen1), UID button, 1 DB15 (VGA)	
Expansion Slots	Front	1 FHFL PCIe5.0 x8 1 OCP3.0 PCIe5.0 x8	2 FHFL PCIe5.0 x16 1 OCP NIC 3.0 PCIe5.0 x16
	Rear	8 FHFL dual-slot PCIe5.0 x16	10 FHFL dual-slot PCIe5.0 x16 ; 1 FHFL single-slot PCIe5.0 x16
Drive Bay / Storage	External	4 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays or 24 Hot-swap 2.5" SATA/SAS ^{Note1} drive bays	16 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays or 24 Hot-swap 2.5" SATA/SAS ^{Note1} drive bays
	Internal	1 M-key (PCIe3.0 x4 or SATA 6Gb/s); supports 22110/2280 form factor [CPU0] 1 M-key (PCIe3.0 x4 or SATA 6Gb/s); supports 22110/2280 form factor [CPU1]	
Power Supply	Module	1+1 ,80-PLUS Platinum, 1600W RPSU	3+1, 80-PLUS Platinum/Titanium, 2000W CRPS
System Cooling	Fan	5 Middle Hot-swap 80x80 mm fans	
Management	BMC	ASPEED AST2600	
Security		TPM (13-pin, SPI) by optional accessory	

Note1: Additional RAID/HBA card required to support the 24 x 2.5" SATA/SAS drive bays

4U8G-GNR2

4U8G-GNR2/RF+ · 4U8G-GNR2/SUPER_4L



Application

- Big Data Analytics
- Machine Learning
- LLM Inference



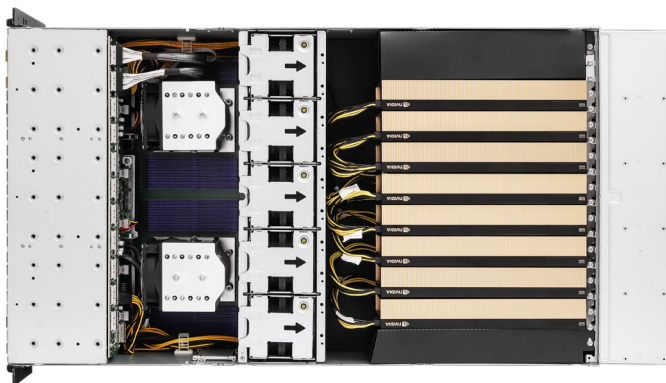
		4U8G-GNR2	4U8G-GNR2/RF+	4U8G-GNR2/SUPER_4L
CPU	Socket	1+1 Socket E2 (LGA 4710); supports Intel® Xeon® 6700P-series, 6500P-series, and 6700E-series processors		
	TDP	Up to 350W		
DIMM	Slot	16+16 DDR5 DIMM Slots (2DPC); supports RDIMM up to 128GB (2Rx4) each, max. 6400MT/s (1DPC), 5200MT/s (2DPC) RDIMM-3DS up to 256GB (4Rx4) each, max. 6400MT/s (1DPC), 5200MT/s (2DPC) MRDIMM up to 64GB (2Rx4) each, max 8000MT/s (1DPC)		
	Form Factor	4U Rackmount		
Physical Status	Chassis Dimension	786 x 438 x 176.5 mm (30.9" x 17.2" x 6.9")	867 x 438 x 176.5 mm (34.1" x 17.2" x 6.9")	
Front Panel	Buttons	Power button w/ LED, Reset button, NMI button, UID button		
	LEDs	System fault LED, HDD activity LED		
	I/O	2 RJ45 (1GbE) by Intel® i350, shares with Rear IO		
		1 dedicated IPMI, shares with Rear IO		
Rear IO	RJ45	2 RJ45 (1GbE) by Intel® i350, shares with Front Panel		
	Others	1 dedicated IPMI, shares with Front Panel		
		2 Type-A (USB3.2 Gen1), UID button, 1 DB15 (VGA)		
Expansion Slots	Front	1 FHHL PCIe5.0 x16 1 FHHL PCIe5.0 x8		N/A
	Rear	8 FHFL dual-slot PCIe5.0 x16		8 FHFL dual-slot PCIe5.0 x16 1 FHFL PCIe5.0 x16 1 FHFL PCIe5.0 x8
Drive Bay / Storage	External	4 hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays or 24 hot-swap 2.5" SATA/SAS ^{Note1} drive bays		4 Hot-swap 3.5"/2.5" NVMe (PCIe4.0 x4) / SATA/SAS ^{Note2} drive bays
	Internal	1 M-key (PCIe5.0 x4); supports 22110/2280 form factor [CPU0]		
Power Supply	Module	3+1, 80-PLUS Titanium, 2700W CRPS		
System Cooling	Fan	5 middle hot-swap 80x80 mm fans (20400/18000 RPM)	5 middle + 5 rear hot-swap 80x80 mm fans (20400/18000 RPM)	
Management	BMC	ASPEED AST2600		
Security		TPM (13-pin, SPI) by optional accessory		

Note1: Additional RAID/HBA card required to support the 24 x 2.5" SATA/SAS drive bays

Note2: Additional RAID/HBA card required to support the 4x SATA/SAS drive bays

4U8G-TURIN2

4U8G-TURIN2/RF+ · 4U8G-TURIN2/SUPER_4L



Application

- Big Data Analytics
- Machine Learning
- LLM Inference

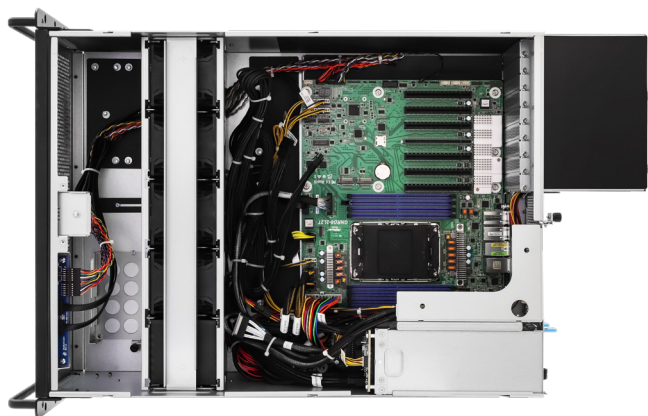


		4U8G-TURIN2	4U8G-TURIN2/RF+	4U8G-TURIN2/SUPER_4L
CPU	Socket	1+1 Socket SP5 (LGA 6096); supports AMD EPYC™ 9005/9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors		
	TDP	Up to 500W		
DIMM	Slot	12+12 DDR5 DIMM Slots (1DPC); supports RDIMM up to 128GB each, max. 6400MT/s RDIMM-3DS up to 256GB each, max. 6400MT/s		
System	Form Factor	4U Rackmount		
Physical Status	Chassis Dimension	786 x 438 x 176.5 mm (30.9" x 17.2" x 6.9")		867 x 438 x 176.5 mm (34.1" x 17.2" x 6.9")
Front Panel	Buttons	Power button w/ LED, Reset button, NMI button, UID button		
	LEDs	System fault LED, HDD activity LED		
	I/O	2 RJ45 (1GbE) by Intel® i350, shares with Rear IO		
		1 dedicated IPMI, shares with Rear IO 4 Type-A (USB3.2 Gen1) 1 DB15 (VGA)		
Rear IO	RJ45	2 RJ45 (1GbE) by Intel® i350, shares with Front Panel 1 dedicated IPMI, shares with Front Panel		
	Others	2 Type-A (USB3.2 Gen1), UID button, 1 DB15 (VGA)		
Expansion Slots	Front	1 FHHL PCIe5.0 x8 1 OCP NIC 3.0 (PCIe5.0 x8)		N/A
	Rear	8 FHFL dual-slot PCIe5.0 x16		N/A
Drive Bay / Storage	External	4 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays or 24 Hot-swap 2.5" SATA/SAS ^{Note1} drive bays		4 Hot-swap 3.5"/2.5" NVMe (PCIe4.0 x4) / SATA/SAS ^{Note2} drive bays
	Internal	1 M-key (PCIe3.0 x4 or SATA 6Gb/s); supports 22110/2280 form factor [CPU0] 1 M-key (PCIe3.0 x4 or SATA 6Gb/s); supports 22110/2280 form factor [CPU1]		
Power Supply	Module	3+1, 80-PLUS Titanium, 2700W CRPS		
System Cooling	Fan	5 middle hot-swap 80x80 mm fans (20400/18000 RPM)		5 middle + 5 rear hot-swap 80x80 mm fans (20400/18000 RPM)
Management	BMC	ASPEED AST2600		
Security		TPM (13-pin, SPI)		

Note1: Additional RAID/HBA card required to support the 24 x 2.5" SATA/SAS drive bays

Note2: Additional RAID/HBA card required to support the 4x SATA/SAS drive bays

4U4G-GNR/HPR



Application

- AI Inference
- Machine Learning
- Rendering



		4U4G-GNR/HPR
CPU	Socket	1 Socket E2 (LGA 4710); supports Intel® Xeon® 6700P-series, 6500P-series, and 6700E-series processors
	TDP	Up to 350W
DIMM	Slot	8 DDR5 DIMM Slots (1DPC); supports RDIMM up to 128GB (2Rx4) each, max. 6400MT/s RDIMM-3DS up to 256GB (4Rx4) each, max. 6400MT/s MRDIMM up to 64GB (2Rx4) each, max 8000MT/s
	Form Factor	4U Rackmount
System Physical Status	Chassis Dimension	710 x 430.4 x 174.8 mm (27.9" x 16.9" x 6.9" with GPU fans; 596mm or 23.5" in depth w/o GPU fans)
	Buttons	Power button w/ LED, ID button w/ LED, Reset button, NMI button
Front Panel	LEDs	LAN activity LED, HDD activity LED, System event LED
	I/O	2 Type-A (USB3.2 Gen1)
Rear IO	RJ45	2 RJ45 (10GbE) by Intel® X710-AT2 2 RJ45 (1GbE) by Intel® i210 1 dedicated IPMI
	Others	2 Type-A (USB3.2 Gen1), UID button, 1 DB15 (VGA)
Expansion Slots	Rear	4 dual-slot or 7 single-slot FHFL PCIe5.0 x16 1 FHFL single-slot PCIe5.0 x8
	Internal	2 M-key (PCIe5.0 x4); supports 22110/2280 form factor (includes cage for 2 fixed 2.5" drives)
Drive Bay / Storage	Module	2+1, 80-PLUS Titanium, 2700W CRPS
Power Supply	Fan	Middle: 4 PWM fixed 80x80mm fans Rear: 2 PWM fixed 80x80mm GPU fans
System Cooling	BMC	ASPEED AST2600
Management	Security	TPM (13-pin, SPI) by optional accessory

4U4G-TURIN/HPR



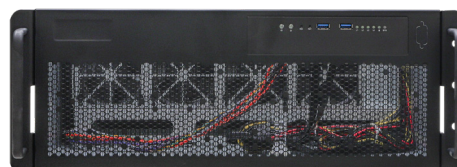
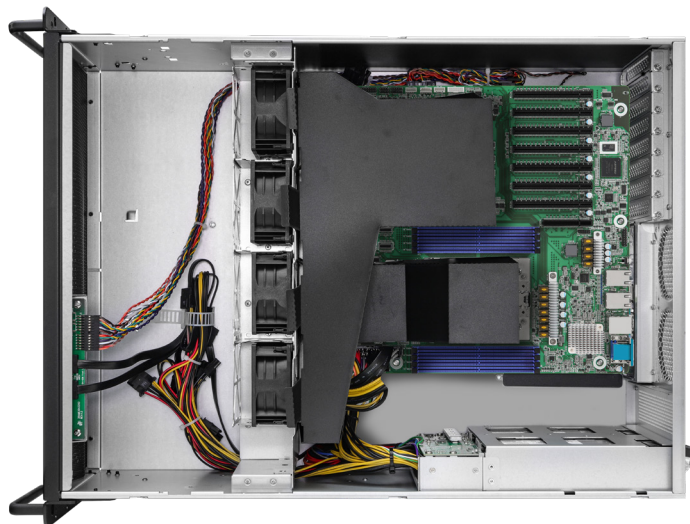
Application

- AI Inference
- Machine Learning
- Rendering



		4U4G-TURIN/HPR
CPU	Socket	1 Socket SP5 (LGA 6096P); supports AMD EPYC™ 9005/9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors
	TDP	Up to 400W
DIMM	Slot	8 DDR5 DIMM Slots (1DPC); supports RDIMM up to 128GB each, max. 6400MT/s
		RDIMM-3DS up to 256GB each, max. 6400MT/s
System Physical Status	Form Factor	4U Rackmount
	Chassis Dimension	710 x 430.4 x 174.8 mm (27.9" x 16.9" x 6.9" with GPU fans; 596mm or 23.5" in depth w/o GPU fans)
Front Panel	Buttons	Power button w/ LED, ID button w/ LED, Reset button, NMI button
	LEDs	LAN activity LED, HDD activity LED, System event LED
Rear IO	I/O	2 Type-A (USB3.2 Gen1)
	RJ45	2 RJ45 (10GbE) by Broadcom BCM57416
Expansion Slots	Others	1 dedicated IPMI
		2 Type-A (USB3.2 Gen1), UID button, 1 DB15 (VGA), 1 DB9 (COM)
Drive Bay / Storage	Rear	4 dual-slot or 7 single-slot FHFL PCIe5.0 x16
		1 FHFL single-slot PCIe5.0 x8
Power Supply	Internal	2 M-key (PCIe5.0 x4); supports 22110/2280 form factor (includes cage for 2 fixed 2.5" drives)
	Module	2+1, 80-PLUS Titanium, 2700W CRPS
System Cooling	Fan	Middle: 4 PWM fixed 80x80mm fans
		Rear: 2 PWM fixed 80x80mm GPU fans
Management	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI)

4U4G-GENOAX



Application

- Deep Learning
- Data Processing
- Mainstream Workstation



		4U4G-GENOAX
CPU	Socket	1 Socket SP5 (LGA 6096); supports AMD EPYC™ 9005/9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors
	TDP	Up to 320W
DIMM	Slot	8 DDR5 DIMM Slots (1DPC); supports RDIMM up to 128GB each, max. 5200MT/s
		RDIMM-3DS up to 256GB each, max. 5200MT/s
System Physical Status	Form Factor	4U Rackmount
	Chassis Dimension	596 x 430.4 x 174.8 mm (23.5" x 16.9" x 6.9")
Front Panel	Buttons	Power w/ LED, ID w/ LED, System Reset, NMI
	LEDs	LAN activity, HDD activity, System Event
Rear IO	I/O	2 Type-A (USB3.2 Gen1)
	RJ45	2 RJ45 (10GbE) by Broadcom BCM57416
Expansion Slots	Others	1 dedicated IPMI
		2 Type-A (USB3.2 Gen1), 1 UID button w/ LED, 1 DB15 (VGA), 1 DB9 (COM)
Drive Bay / Storage	Rear	4 FHFL dual-slot PCIe5.0 x16 or 7 FHFL single-slot PCIe5.0 x16
		1 FHFL PCIe5.0 x8
Power Supply	Internal	1 M-key (PCIe5.0 x4 or 4 SATA 6Gb/s); supports 22110/2280 form factor
		1 M-key (PCIe5.0 x4); supports 22110/2280 form factor
System Cooling	Module	1+1, 80-PLUS Platinum, 2100W CRPS
	Fan	2 PWM fixed 80x56 mm fans
Management Security		2 PWM fixed 80x38 mm fans
	BMC	ASPEED AST2600
		TPM (13-pin, SPI) by optional accessory

4U4G-W890/HPR AQUA



Application

- AI Inference
- Machine Learning
- Visual Computing



4U4G-W890/HPR AQUA		
CPU	Socket	1 Single Socket E2 (LGA4710-2); supports Supports Intel® Xeon® 6 Processors for Workstations
	TDP	Up to 350W
DIMM	Slot	8 DDR5 DIMM Slots (1DPC); supports RDIMM up to 128GB (2Rx4) each, max. 6400MT/s RDIMM-3DS up to 256GB (4Rx4) each, max. 6400MT/s MRDIMM up to 64GB (2Rx4) each, max 8000MT/s
	Form Factor	4U Rackmount
System Physical Status	Chassis Dimension	731.6 x 430.4 x 174.8 mm (28.8" x 16.9" x 6.9" with GPU fans; 596mm or 23.5" in depth w/o GPU fans)
Front Panel	Buttons	Power button w/ LED, ID button w/ LED, Reset button, NMI button
	LEDs	LAN activity LED, HDD activity LED, System event LED
Rear IO	I/O	2 Type-A (USB3.2 Gen1)
	RJ45	2 RJ45 (10GbE) by Intel® E610 2 RJ45 (1GbE) by Intel® i210 1 dedicated IPMI
Expansion Slots	Others	2 Type-A (USB3.2 Gen1), 1 UID button w/ LED, 1 DB15 (VGA)
	Rear	4 dual-slot or 7 single-slot FHFL PCIe5.0 x16 1 FHFL single-slot PCIe5.0 x16
Drive Bay / Storage	Internal	4 fixed 2.5" NVMe (PCIe5.0 x4)/SATA drive bays (cables included in accessories) 2 M-key (PCIe4.0 x4); supports 22110 form factor
Power Supply	Module	2+1, 80-PLUS Titanium, 2700W CRPS
System Cooling	Fan	Radiator: 1 PWM fixed 120x25 mm fan Middle: 3 PWM fixed 80x80 mm fans, 1 PWM fixed 80x38 mm fan Rear: 2 PWM fixed 80x80 mm GPU fans
Management	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI)

4U4G-TR5/2T AQUA



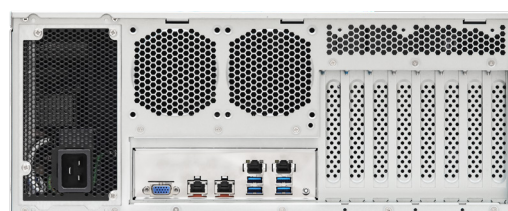
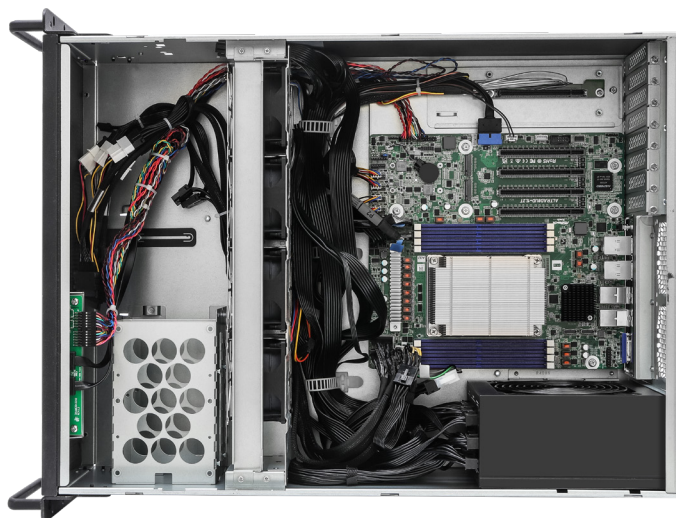
Application

- Visual Computing
- Data Processing
- Mainstream Workstation



4U4G-TR5/2T AQUA		
CPU	Socket	1 Socket sTR5 (LGA 4844); supports Supports AMD Ryzen™ Threadripper™ PRO 9000/7000WX series processors
	TDP	Up to 350W
DIMM	Slot	8 DDR5 DIMM Slots (1DPC); supports RDIMM up to 96GB each, max. 5200MT/s
		RDIMM-3DS up to 256GB each, max. 5200MT/s
System Physical Status	Form Factor	4U Rackmount
	Chassis Dimension	596 x 430.4 x 174.8 mm (23.5" x 16.9" x 6.9")
Front Panel	Buttons	Power button w/ LED, ID button w/ LED, Reset button, NMI button
	LEDs	LAN activity LEDs, HDD activity LED, System event LED
Rear IO	I/O	2 Type-A (USB3.2 Gen1)
	RJ45	2 RJ45 (10GbE) by Intel® X710-AT2
Expansion Slots	Others	1 dedicated IPMI
		2 Type-C (USB3.2 Gen2), 4 Type-A (USB3.2 Gen2), 2 Type-A (USB3.2 Gen1), 1 UID button w/ LED, 1 DisplayPort 1.1a (VGA), 1 Microphone input jack, 1 Line out jack, 1 Optical SPDIF out port
Drive Bay / Storage		4 dual-slot FHFL PCIe5.0 x16
		or 6 single-slot FHFL PCIe5.0 x16 and 1 single-slot FHFL PCIe5.0 x8
Power Supply	Internal	4 fixed 3.5"/2.5" NVMe (PCIe4.0 x4)/SATA drive bays
		1 M-key (PCIe5.0 x4); supports 22110/2280/2260 form factor
System Cooling		1 M-key (PCIe4.0 x4); supports 2280/2260 form factor
	Module	1, 80-PLUS Platinum, 2000W ATX PSU
Management Security	Fan	Radiator: 3 PWM fixed 120x25 mm fans
		Cover: 1 PWM fixed 140x25 mm GPU fan
		Rear: 1 PWM fixed 80x25 mm fans
	BMC	ASPEED AST2600
		TPM (13-pin, SPI)

4U2G-ALTRA/2T



Application

- Visual Computing
- Data Processing
- Mainstream Workstation

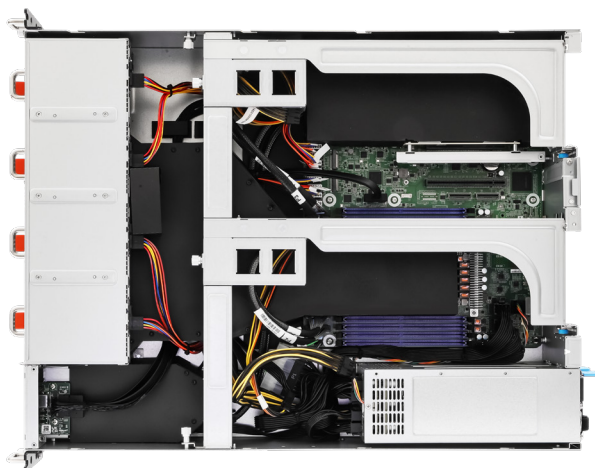


		4U2G-ALTRA/2T
CPU	Socket	1 Socket (LGA 4926); supports Ampere Altra Max/Ampere Altra processors
DIMM	Slot	8 DDR4 DIMM slots (1DPC); supports RDIMM, LRDIMM up to 256GB each, max. 3200MT/s
System Physical Status	Form Factor	4U Rackmount
	Chassis Dimension	596 x 430.4 x 174.8 mm (23.5" x 16.9" x 6.9")
Front Panel	Buttons	Power button w/ LED, UID button w/ LED
	LEDs	LAN activity, HDD activity, System Event
Rear IO	I/O	2 Type-A (USB3.2 Gen1)
	RJ45	2 RJ45 (10GbE) by Intel® X550 1 RJ45 (1GbE) by Intel® i210 1 dedicated IPMI
	USB	4 Type-A (USB3.2 Gen1)
Expansion Slots	Other	1 DB15 (VGA), 1 UID button w/ LED
	Rear	SLOT7: PCIe4.0 x16 ^{Note1} SLOT6: PCIe4.0 x16 ^{Note1} SLOT5: PCIe4.0 x16 SLOT4: PCIe4.0 x16 1 FHFL single-slot PCIe4.0 x8
Drive Bay / Storage	Internal	4 fixed NVMe (PCIe4.0 x4) drive bays 2 M-key (PCIe4.0 x4); support 2280/2230 form factor
Power Supply	Module	1, 80-PLUS Gold, 2000W ATX PSU
System Cooling	Fan	4 PWM Easy-swap 80x38 mm fans
Management	BMC	ASPEED AST2500
Security		TPM (13-pin, SPI) by optional accessory

Note1: Supports PCIe4.0 x8 when using Ampere Altra processors

2U2G-GNR/HPR

2U2G-GNR



Application

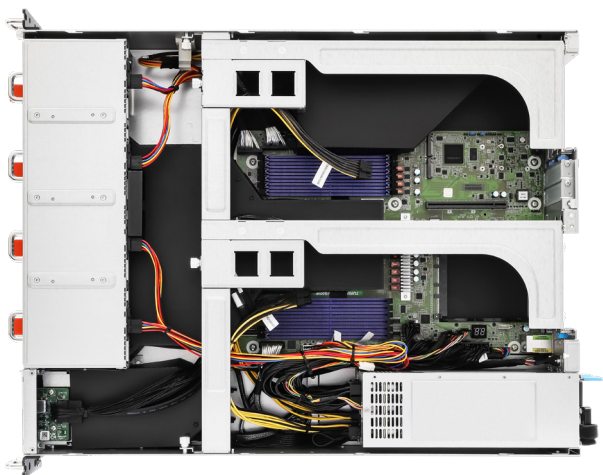
- AI Inference
- Edge AI
- Data Analytics



		2U2G-GNR/HPR	2U2G-GNR
CPU	Socket	1 Socket E2 (LGA 4710); supports Intel® Xeon® 6700P-series, 6500P-series, and 6700E-series processors	
	TDP	Up to 350W	
DIMM	Slot	8 DDR5 DIMM Slots (1DPC); supports RDIMM up to 128GB (2Rx4) each, max. 6400MT/s	
		RDIMM-3DS up to 256GB (4Rx4) each, max. 6400MT/s	
System Physical Status	Form Factor	2U Rackmount	
	Chassis Dimension	580 x 438 x 87 mm (22.8" x 17.2" x 3.4")	
Front Panel	Buttons	Power button w/ LED, UID button w/ LED, System reset	
	LEDs	HDD activity LED, System event LED	
Rear IO	I/O	2 Type-A (USB3.2 Gen1)	
	RJ45	1 dedicated IPMI	
Expansion Slots	Others	2 Type-A (USB3.2 Gen1), 1 UID button w/ LED, 1 DB15 (VGA), 1 DB9 (COM)	
	Rear	2 FHFL dual-slot PCIe5.0 x16	
Drive Bay / Storage	External	1 HHHL single-slot PCIe5.0 x16	
	Internal	2 Hot-swap 2.5" NVMe (PCIe4.0 x4) drive bays	
Power Supply	Module	2 M-key (PCIe5.0 x4); supports 2280 form factor	
		1+1, 80-PLUS Titanium, 2700W CRPS	1+1, 80-PLUS Titanium, 2000W CRPS
System Cooling	Fan	Front: 4 PWM hot-swap 80x56 mm fans, Middle: 1 PWM fixed 40x28 mm fan	
Management	BMC	ASPEED AST2600	
Security		TPM (13-pin, SPI) by optional accessory	

2U2G-TURIN/HPR

2U2G-TURIN



Application

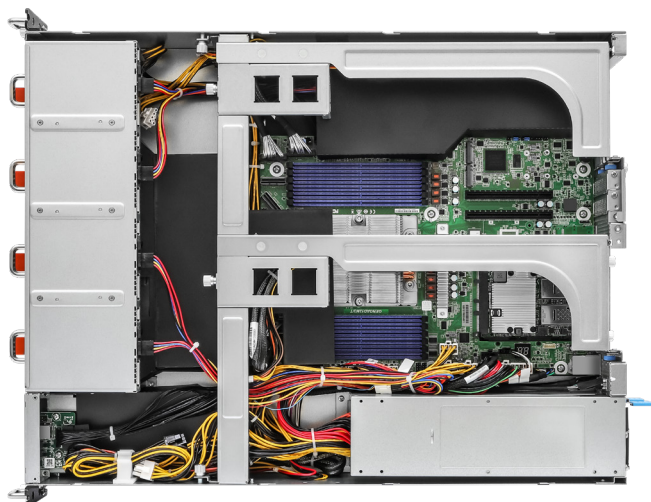
- AI Inference
- Edge AI
- Data Analytics



		2U2G-TURIN/HPR	2U2G-GNR/HPR
CPU	Socket	1 Socket SP5 (LGA 6096P); supports AMD EPYC™ 9005/9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors	
	TDP	Up to 500W	
DIMM	Slot	12 DDR5 DIMM Slots (1DPC); supports RDIMM up to 128GB each, max. 6400MT/s	
		RDIMM-3DS up to 256GB each, max. 6400MT/s	
System Physical Status	Form Factor	2U Rackmount	
	Chassis Dimension	580 x 438 x 87 mm (22.8" x 17.2" x 3.4")	
Front Panel	Buttons	Power button w/ LED, UID button w/ LED, System reset	
	LEDs	HDD activity LED, System event LED	
Rear IO	I/O	2 Type-A (USB3.2 Gen1)	
	RJ45	1 dedicated IPMI	
Expansion Slots	Others	1 DB15 (VGA), 1 DB9 (COM), 2 Type-A (USB3.2 Gen1)	
	Rear	2 FHFL dual-slot PCIe5.0 x16 ^{Note1}	
Drive Bay / Storage		1 HHHL PCIe5.0 x16	
	External	2 hot-swap 2.5" NVMe (PCIe4.0 x4) drive bays	
Power Supply		2-port NVMe passive backplane	
	Internal	2 M-key (PCIe5.0 x4 or 4 SATA 6Gb/s); supports 22110/2280/2260 form factor	
System Cooling	Fan	4 PWM Hot-swap 80x56mm fans	1 PWM fixed 40x28mm fan
Management	BMC	ASPEED AST2600	
Security		TPM (13-pin, SPI)	

Note1: Supports GPU cards of up to 600W (conditions apply).

2U2G-GENOA



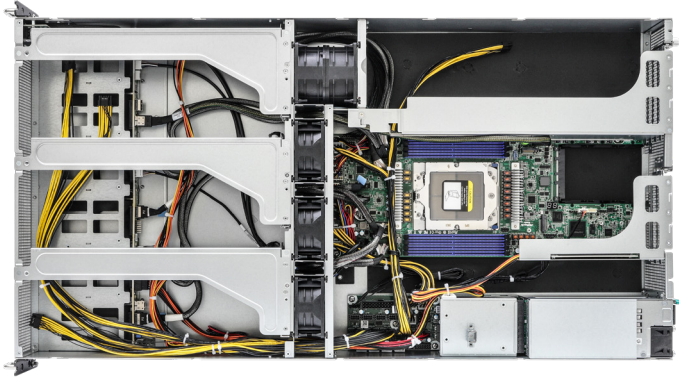
Application

- AI Inference
- Virtualization
- Visual Computing



		2U2G-GENOA
CPU	Socket	1 Socket SP5 (LGA 6096); supports AMD EPYC™ 9005/9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors
DIMM	Slot	12 DDR5 DIMM Slots (1DPC); supports RDIMM up to 128GB each, max. 5200MT/s RDIMM-3DS up to 256GB each, max. 5200MT/s
System Physical Status	Form Factor Chassis Dimension	2U Rackmount 580 x 438 x 87 mm (22.8" x 17.2" x 3.4")
Front Panel	Buttons LEDs I/O	Power button w/ LED, ID button w/ LED, System reset HDD activity, LAN 1/2, System Event 2 Type-A (USB3.2 Gen1)
Rear IO	RJ45 Others	1 dedicated IPMI 2 Type-A (USB3.2 Gen1), 1 UID button, 1 DB15 (VGA), 1 DB9 (COM)
Expansion Slots	Rear	2 FHFL dual-slot PCIe5.0 x16 2 HHHL single-slot PCIe5.0 x16 1 OCP NIC 3.0 (PCIe5.0 x16) 2 Hot-swap 2.5" NVMe (PCIe4)
Drive Bay / Storage	External Internal	2 Hot-swap 2.5" NVMe (PCIe4.0 x4) drive bays 2 M-key (PCIe5.0 x4 or SATA 6Gb/s); supports 22110/2280/2260 form factor
Power Supply	Module	1+1, 80-PLUS Titanium, 2000W CRPS
System Cooling	Fan	Front: 4 PWM Hot-swap 80x56 mm fans, Middle: 1 PWM fixed 40x28 mm fan
Management	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI) by optional accessory

2U4G-GENOA/M3



Application

- Artificial Intelligence
- Machine Learning
- HPC
- Virtualization



2U4G-GENOA/M3		
CPU	Socket	1 Socket SP5 (LGA 6096); supports AMD EPYC™ 9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors
	TDP	Up to 360W
DIMM	Slot	8 DDR5 DIMM Slots (1DPC); supports RDIMM up to 128GB each, max. 5200MT/s
		RDIMM-3DS up to 256GB each, max. 5200MT/s
System Physical Status	Form Factor	2U Rackmount
	Chassis Dimension	850 x 438 x 87.5 mm (33.5" x 17.2" x 3.5")
Front Panel	Buttons	Power, UID
	LEDs	System fault, UID, Power LEDs
Rear IO	I/O	2 Type-A (USB2.0)
	RJ45	1 dedicated IPMI
Expansion Slots	USB	2 Type-A (USB3.2 Gen1)
	Others	1 mini-DisplayPort (VGA), 1 UID button w/ LED
Drive Bay / Storage	Front	3 FH dual-slot PCIe5.0 x16
	Rear	1 FH dual-slot PCIe5.0 x16
Power Supply	External	1 OCP NIC 3.0 PCIe5.0 x16
	Internal	1 FHHL PCIe5.0 x16
System Cooling	Module	1 FHFL PCIe5.0 x8
	Fan	4 Hot-swap 2.5" NVMe (PCIe5.0 x4) drive bays
Management	Module	2 Hot-swap 2.5" SATA drive bays
	Fan	2 M-key (PCIe5.0 x4 or SATA 6Gb/s); supports 22110/2280 form factor
Security	Module	1+1, 80-PLUS Platinum, 2700W CRPS
	Fan	1 PWM hot-swap 80x80 mm fans
Management	Module	3 PWM hot-swap 80x38 mm fans
	Fan	ASPEED AST2600
Security	Module	TPM (13-pin, SPI) by optional accessory
	Fan	

2U1G-B650

2U1G-B650/EVAC · 2U1G-B650/AQUA



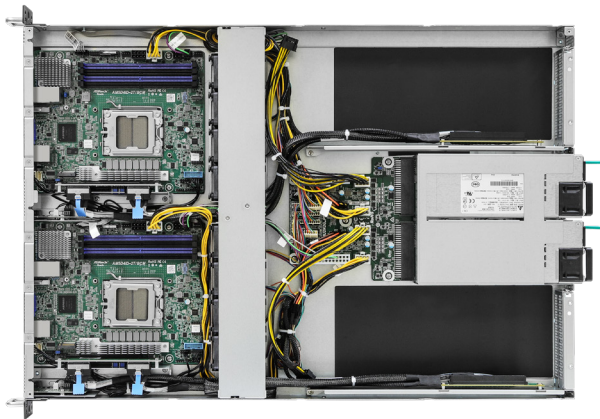
Application

- Rendering
- Virtualization
- Visualization
- Deep Learning



		2U1G-B650	2U1G-B650/EVAC	2U1G-B650/AQUA
CPU	Socket	1 Socket AM5 (LGA1718); supports AMD EPYC™ 4005/4004 and AMD Ryzen™ 9000/8000/7000 Series Processors		
	TDP	120W	170W	
DIMM	Slot	4 DDR5 288-pin (2DPC)		
System Physical Status	Form Factor	2U Rackmount		
	Chassis Dimension	477.7 x 430.4 x 88 mm (18.8" x 16.9" x 3.5")		
Front Panel	Buttons	Power button w/ LED, System Reset button		
	LEDs	System Fail LED, LAN1/LAN2 activity, Power Status LED		
Rear IO	I/O	2 Type-A (USB3.2 Gen1)		
	RJ45	2 RJ45 (1GbE) by Intel® i210		
Expansion Slots	USB	1 dedicated IPMI		
	Others	4 Type-A (USB3.2 Gen1)		
Drive Bay / Storage	Internal	1 UID w/ LED, 1 DB15 (VGA), 1 DB9 (COM), 1 DisplayPort, 1 HDMI		
	Rear	1 FHFL triple-slot PCIe5.0 x16	1 FHFL dual-slot PCIe5.0 x16	1 FHFL triple-slot PCIe5.0 x16
Power Supply	Module	1 FHFL PCIe4.0 x4	1 FHFL PCIe4.0 x4	1 FHFL PCIe4.0 x4
	Fan	2 optional fixed 2.5" drive bay	1 optional fixed 2.5" drive bay	2 optional fixed 2.5" drive bay
Management	Internal	1 M-key (PCIe5.0 x4); supports 2280/2242 form factor [CPU]		
	Storage	1 M-key (PCIe4.0 x4); supports 2280/2242 form factor [FCH]		
System Cooling	Module	1+1, 80-PLUS Platinum, 1200W CRPS		
	Fan	4 PWM easy-swap 80x38 mm fans		
Security	BMC	ASPEED AST2600		
	TPM	TPM (13-pin, SPI) by optional accessory		

1U2N2G-AM5/2T



Application

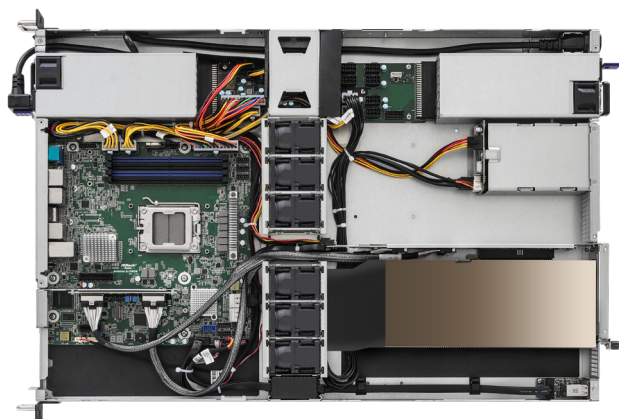
- Visual Computing
- Data Processing



1U2N2G-AM5/2T		
CPU (per node)	Socket	AMD EPYC™ 4005/4004 and AMD Ryzen™ 9000/8000/7000 Series Processors
	TDP	Up to 120W
DIMM (per node)	Slot	4 DDR5 288-pin (2DPC)
System Physical Status	Form Factor	1U Rackmount
	Chassis Dimension	650 x 438 x 43.5 mm (25.6" x 17.2" x 1.7")
Front Panel (per node)	Buttons	UID w/LED, Power w/LED
	LEDs	System Fail
	I/O	2 RJ45 (10GbE) by Broadcom BCM57416, 1 dedicated IPMI 2 Type-A (USB3.2 Gen1), 1 DB15 (VGA), 1 HDMI
Expansion Slots (per node)	Rear	1 FH dual-slot PCIe5.0 x16 or 2 FH single-slot PCIe5.0 x8
Storage (per node)	Internal	1 M-key (PCIe4.0 x4); supports 2280 form factor
Power Supply	Module	1+1, 80-PLUS Platinum, 1600W CRPS
System Cooling	Fan	8 PWM Hot-swap 40x56 mm fans
Management (per node)	BMC	ASPEED AST2600
Security (per node)		TPM (13-pin, SPI) by optional accessory

1U1G-B650/2L2T

1U1G-B650



Application

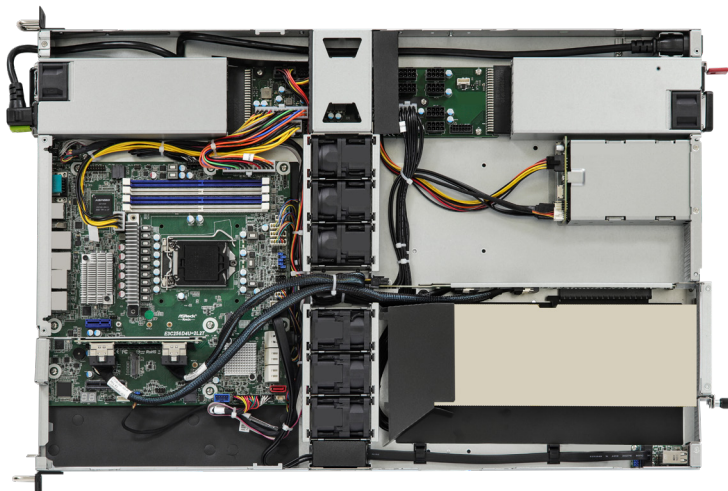
- Rendering
- Virtualization
- Visualization
- Deep Learning



		1U1G-B650/2L2T	1U1G-B650
CPU	Socket	1 Socket AM5 (LGA1718); supports AMD Ryzen™ 7000 series processors	
DIMM	Slot	4 DDR5 288-pin (2DPC)	
System Physical Status	Form Factor	1U Rackmount	
	Chassis Dimension	660.4 x 438.0 x 43.5 mm (26.00" x 17.24" x 1.71")	
Front Panel	Buttons	Power button w/ LED, UID button w/ LED, System Reset	
	LEDs	System Fault, LAN1/LAN2 activity	
	I/O	2 RJ45 (10GbE) by Broadcom BCM57416 2 RJ45 (1GbE) by Intel® i210 1 dedicated IPMI 4 USB Type-A (USB3.2 Gen1) 1 DB15 (VGA), 1 DisplayPort, 1 HDMI 1 DB9 (COM)	2 RJ45 (1GbE) by Intel® i210 1 dedicated IPMI 4 USB Type-A (USB3.2 Gen1) 1 DB15 (VGA), 1 DisplayPort, 1 HDMI 1 DB9 (COM)
Rear IO	USB	2 Type-A (USB3.2 Gen1)	
Expansion Slots	Front	1 FHHL PCIe4.0 x4 ^{Note1}	
	Rear	1 FHFL dual-slot PCIe5.0 x16	
Drive Bay / Storage	External	2 Hot-swap 2.5" SATA drive bays	
	Internal	1 M-key (PCIe5.0 x4); supports 2280/2242 form factor [CPU]	1 M-key (PCIe5.0 x4); supports 2280/2242 form factor [CPU] 1 M-key (PCIe4.0 x4); supports 2280/2242 form factor [FCH]
Power Supply	Module	1+1, 80-PLUS Platinum, 1300W CRPS	
System Cooling	Fan	6 PWM dual-rotor 40x56 mm fans	
Management	BMC	ASPEED AST2600	
Security		TPM (13-pin, SPI) by optional accessory	

Note1: 1 FHHL PCIe4.0 x4 support requires additional PCIe4.0 x4 to x16 riser cable please contact ASRock Rack

1U1G-C256/2L2T



Application

- Rendering
- Virtualization
- Visualization
- Deep Learning

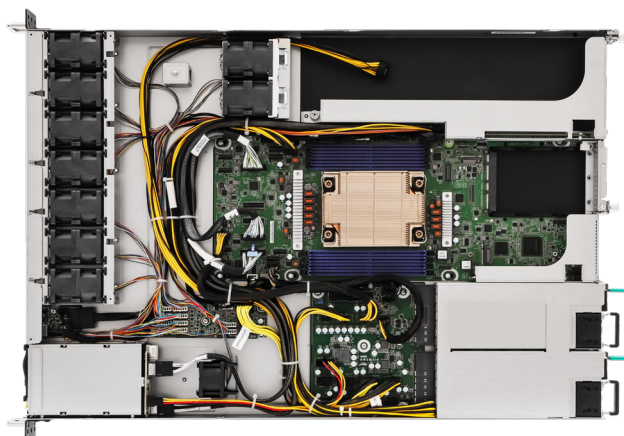


		1U1G-C256/2L2T
System Physical Status	Form Factor	1U Rackmount
	Chassis Dimension	438.0x 660.4x 43.5 mm (without ear)
CPU	Socket	1 Socket H5 (LGA1200); supports Intel® Xeon® E-2300 and 10 th Gen Intel® Pentium® Series Processors
DIMM	Slot	4 DDR4 288-pin DIMM Slots (2DPC); supports ECC/non-ECC UDIMM up to 32GB each max. 3200MT/s on Intel® Xeon® E-2300 Series Processors max. 2666MT/s on 10 th Gen Intel® Pentium® Series Processors
Front Panel	Buttons	Reset, Power w/ LED, UID w/ LED
	LEDs	System Fail, LAN1, LAN2
	I/O	2 RJ45(10GbE) by Intel® X710-AT2, 2 RJ45 (1GbE) by i210, 2 Type-A (USB3.2 Gen1), 1 DB15 (VGA), 1 DB9 (COM), 1 HDMI, 1 dedicated IPMI
Rear I/O	USB	2 Type-A (USB3.2 Gen1)
Expansion Slots	Rear	1 FH dual-slot PCIe4.0 x16
Drive Bay/ Storage	External	2 SFF 2.5" (SATA 6Gb/s)
	Internal	1 M-key ^{Note1} (PCIe3.0 x4 or SATA 6Gb/s); support 22110/2280/2260 form factor [PCH] 1 M-key (PCIe3.0 x4); support 2280/2260 form factor [PCH]
Power Supply	Module	1+1 Platinum 1200W CRPS
System Cooling	Fan	8 dual-rotor 40x56 mm fans
Management	BMC	ASPEED AST2500
Security		TPM (13-pin, SPI) by optional accessory

Note1: SATA0 will be disabled when M2_1 populated with SATA device

1U1G2E-GNR

1U1G4E1S-GNR



1U1G2E-GNR



1U1G4E1S-GNR



Application

- Edge AI
- Data Visualization

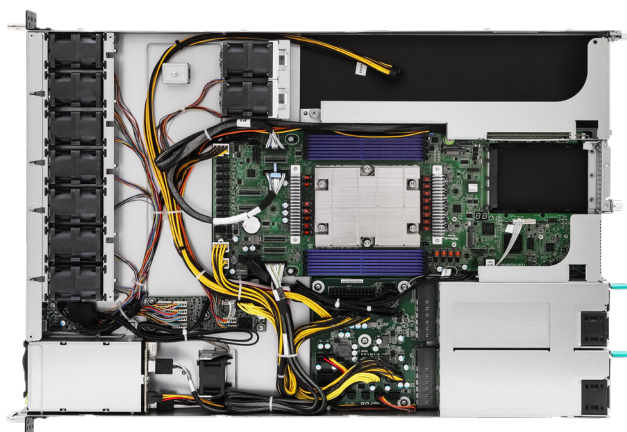


		1U1G2E-GNR	1U1G4E1S-GNR
CPU	Socket	1 Socket E2 (LGA 4710); supports Intel® Xeon® 6700P-series, 6500P-series, and 6700E-series processors	
DIMM	Slot	8 DDR5 DIMM Slots (1DPC); supports RDIMM up to 128GB (2Rx4) each, max. 6400MT/s RDIMM-3DS up to 256GB (4Rx4) each, max. 6400MT/s MRDIMM up to 64GB (2Rx4) each, max 8000MT/s	
System Physical Status	Form Factor	1U Rackmount	
	Chassis Dimension	650 x 438.0 x 43.5 mm (25.6" x 17.2" x 1.7")	
Front Panel	Buttons	Power button w/ LED, System Reset	
	LEDs	System fault LED, UID LED, HDD activity LED	
Rear IO	I/O	2 Type-A (USB3.2 Gen1)	
	RJ45	1 dedicated IPMI	
	Others	1 UID button w/ LED, 1 Mini DisplayPort (VGA), 2 Type-A (USB3.2 Gen1), 1 dedicated IPMI	
Expansion Slots	Rear	1 FHFL dual-slot PCIe5.0 x16	
		1 HHHL single-slot PCIe5.0 x16	
		1 OCP NIC 3.0 (PCIe5.0 x16)	
Drive Bay / Storage	External	2 Hot-swap 2.5" NVMe (PCIe4.0 x4) drive bays	4 Hot-swap E1.S (PCIe5.0 x4) drive bays ^{Note1}
	Internal	M2_1 (PCIe5.0 / CXL2.0 x4); supports 2280 form factor M2_2 (PCIe5.0 / CXL2.0 x4); supports 22110 form factor	
Power Supply	Module	1+1, 80-PLUS Titanium, 1600W CRPS	
System Cooling	Fan	9 PWM Hot-swap 40x56 mm fans	
		1 PWM Hot-swap 40x28 mm fans	
Management	BMC	ASPEED AST2600	
Security		TPM (13-pin, SPI) by optional accessory	

Note1: Only supported by specific CPU

1U1G2E-TURIN

1U1G4E1S-TURIN



1U1G2E-TURIN



1U1G4E1S-TURIN



Application

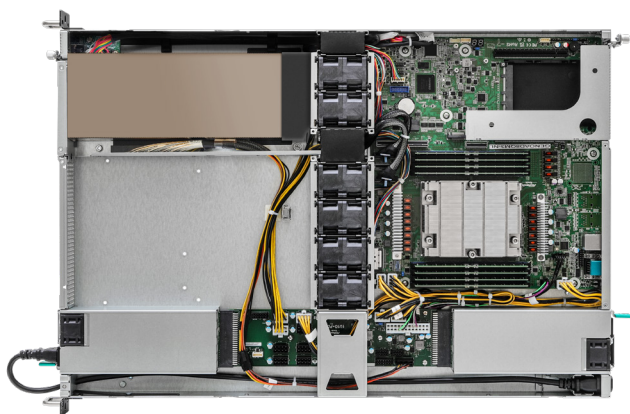
- Edge AI
- Data Visualization



		1U1G2E-TURIN	1U1G4E1S-TURIN
CPU	Socket	1 Socket SP5 (LGA 6096); supports AMD EPYC™ 9005/9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors	
	TDP	Up to 400W	
DIMM	Slot	8 DDR5 DIMM Slots (1DPC); supports RDIMM up to 128GB each, max. 6400MT/s RDIMM-3DS up to 256GB each, max. 6400MT/s	
	Form Factor	1U Rackmount	
System Physical Status	Chassis Dimension	650 x 438 x 43.5 mm (25.6" x 17.2" x 1.7")	
Front Panel	Buttons	Power button w/ LED, Reset button	
	LEDs	System fault LED, UID LED, HDD activity LED	
Rear IO	I/O	2 Type-A (USB3.2 Gen1)	
	RJ45	1 dedicated IPMI	
	Others	1 Mini DisplayPort (VGA), 1 UID button w/ LED, 2 Type-A (USB3.2 Gen1)	
Expansion Slots	Rear	1 FHFL dual-slot PCIe5.0 x16 ^{Note1}	
		1 HHHL single-slot PCIe5.0 x16	
		1 OCP NIC 3.0 (PCIe5.0 x16)	
Drive Bay / Storage	External	2 hot-swap 2.5" NVMe (PCIe4.0 x4) drive bays	4 Hot-swap E1.S (PCIe5.0 x4) drive bays
	Internal	2 M-key (PCIe5.0 x4 or SATA 6Gb/s); supports 22110/2280 form factor	
Power Supply	Module	1+1, 80-PLUS Titanium, 2000W CRPS	
System Cooling	Fan	9 dual-rotor 40x56mm fans	
		1 single-rotor 40x28mm fan	
Management	BMC	ASPEED AST2600	
Security		TPM (13-pin, SPI)	

Note1: Supports GPU cards of up to 600W (conditions apply).

1U1G-GENOA/M3



Application

- Rendering
- Virtualization
- Visualization
- Deep Learning



1U1G-GENOA/M3		
CPU	Socket	1 Socket SP5 (LGA 6096); supports AMD EPYC™ 9004 (with AMD 3D V-Cache™ Technology) and 97x4 series processors
DIMM	Slot	8 DDR5 DIMM Slots (1DPC); supports RDIMM up to 128GB each, max. 5200MT/s RDIMM-3DS up to 256GB each, max. 5200MT/s
System Physical Status	Form Factor	1U Rackmount
	Chassis Dimension	653.5 x 438.0 x 43.5 mm (25.73" x 17.24" x 1.71")
Front Panel	Buttons	Power button w/ LED, UID button w/ LED, System Reset
	LEDs	System Fault, LAN1/LAN2 activity
Rear IO	I/O	2 Type-A (USB3.2 Gen1)
	RJ45	2 RJ45 (10GbE) by Intel® Broadcom BCM57416 1 dedicated IPMI
	Others	1 DB15 (VGA), 1 DB9 (COM)
Expansion Slots	Front	1 FHFL dual-slot PCIe5.0 x16
	Rear	1 FHFL PCIe5.0 x16 via RB1UX16R_G5 1 OCP NIC 3.0 (PCIe5.0 x16)
Drive Bay / Storage	External	2 Hot-swap 2.5" NVMe (PCIe4.0 x4) drive bays
	Internal	1 M-key (PCIe5.0 x4 or SATA 6Gb/s); supports 22110/2280 form factor
		1 M-key (PCIe5.0 x4 or SATA 6Gb/s); supports 2280 form factor
Power Supply	Module	1+1, 1600W CRPS
System Cooling	Fan	6 PWM dual-rotor 40x56 mm fans
Management	BMC	ASPEED AST2600
Security		TPM (13-pin, SPI) by optional accessory



Reliable Innovation
Advancing Technology
Consistent Quality
Knowledgeable Professionals

ASRock Rack Incorporation

4F., No.37, Sec.2, Zhongyang S. Rd., Beitou
District, Taipei City 112, Taiwan (R.O.C)
Tel: +886-2-5559-9600
Fax: +886-2-2893-1557
www.asrockrack.com
E-mail: asrockrack_sales@asrockrack.com

ASRock America Inc.

13848 Magnolia Ave, Chino, CA91710 U.S.A.
Tel: +1-909-590-8308
Fax: +1-909-590-1026

ASRock Europe B.V.

Bijsterhuizen 11-11 6546 AR Nijmegen
The Netherlands
Tel: +31-24-345-44-33
Fax: +31-24-345-44-38



www.asrockrack.com

The specification is subject to change without notice in advance.
ASRock Rack is the official trademark for ASRock Rack Inc., all the covers need to remain the original brand name without any modification.
All other brands, names and trademarks are the property of their respective owners.



@ASROCKRACK



ASRock Rack Inc.