

HPS-GNRU4A

Single Intel®Xeon® 6 Processor, 1300W, 4x RJ-45,
IPMI2.0 Workstation



Features

- 19" 4U Chassis
- 430mm (W) x 174.8mm (H) x 528mm (D)
- 1 x 1300W PS2 ATX PSU
- 3 x Front accessible 2.5" storage bays
- Intel LGA4710 Socket supports Intel® Xeon® 6 6500P & 6700P series Processor (Max. TDP at 350W)
- 8 x DDR5 6400 MHz RDIMM & 8000 MHz MRDIMM up to 2TB
- IPMI 2.0 with AST 2600 BMC controller onboard.
- 1 x Intel I210AT 1GbE controller
- 1 x Intel E610-XAT2 10GbE controller supports 2 x 10GbE Ethernet ports



Intel®Xeon® 6
Processors



8 x DDR5 RDIMM
6400MHz &
MRDIMM
8000MHz



IPMI 2.0
Supported



10GbE



PCIe Gen5
Multiple
Expansion

Specifications

System Information

Processor	Intel LGA4710 Socket supports Intel® Xeon® 6 6500P & 6700P series Processor (Max. TDP at 350W)
System Memory	8 x DDR5 6400 MHz RDIMM & 8000 MHz MRDIMM Up to 2TB
BIOS	AMI UEFI BIOS
Watchdog Timer	System reset event 0 ~ 6553 seconds
H/W Status Monitor	CPU temperature Fan speed and voltage monitoring Fan speed control Case open detection
TPM	TPM 2.0 onboard
IPMI	IPMI 2.0 with AST 2600 BMC controller onboard
SBC	HPM-GNRUA

Front I/O

USB	2 x USB 3.2 Gen1 ports
Power Button	1 x Power button
Reset Button	1 x Reset button
LED Indicator	1 x Power status indicator 1 x Disk activity indicator 1 x Network activity indicator

Rear I/O

USB	2 x USB 3.2 Gen1 ports
COM Port	1 x RS232 port
VGA	1 x VGA port
RJ-45	4 x RJ45 MGMT port for dedicated IPMI access only LAN1 port for 1GbE shared with IPMI access LAN2 and 3 ports for 10GbE

Display

Graphic Chipset	AST2600 BMC controller
Resolution	1 x VGA port VGA: 1920 x 1200 @ 60Hz 32bpp

Power Requirement

Power Supply Unit	1 x 1300W PS2 ATX PSU
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Expansion

Expansion	4 x PCIe Gen5 x16 slots Slot 1, PCIe Gen5 x16 Slot 2, NA Slot 3, PCIe Gen5 x16 Slot 4, NA Slot 5, PCIe Gen5 x16 Slot 6, NA Slot 7, PCIe Gen5 x16(This Slot is closest to the CPU)
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Storage

M.2	2 x M.2 M-Key slots to support PCIe 5.0 x4 NVMe SSD from 1st CPU 2260/2280/22110 form factor
2.5 Drive Bay	3 x Front accessible 2.5" storage bays

Ethernet

LAN Chipset	1 x Intel I210AT 1GbE controller 1 x Intel E610-XAT2 10GbE controller supports 2 x 10GbE Ethernet ports
LAN Port	4 x RJ45 MGMT port for dedicated IPMI access only LAN1 port for 1GbE shared with IPMI access LAN2 and 3 ports for 10GbE

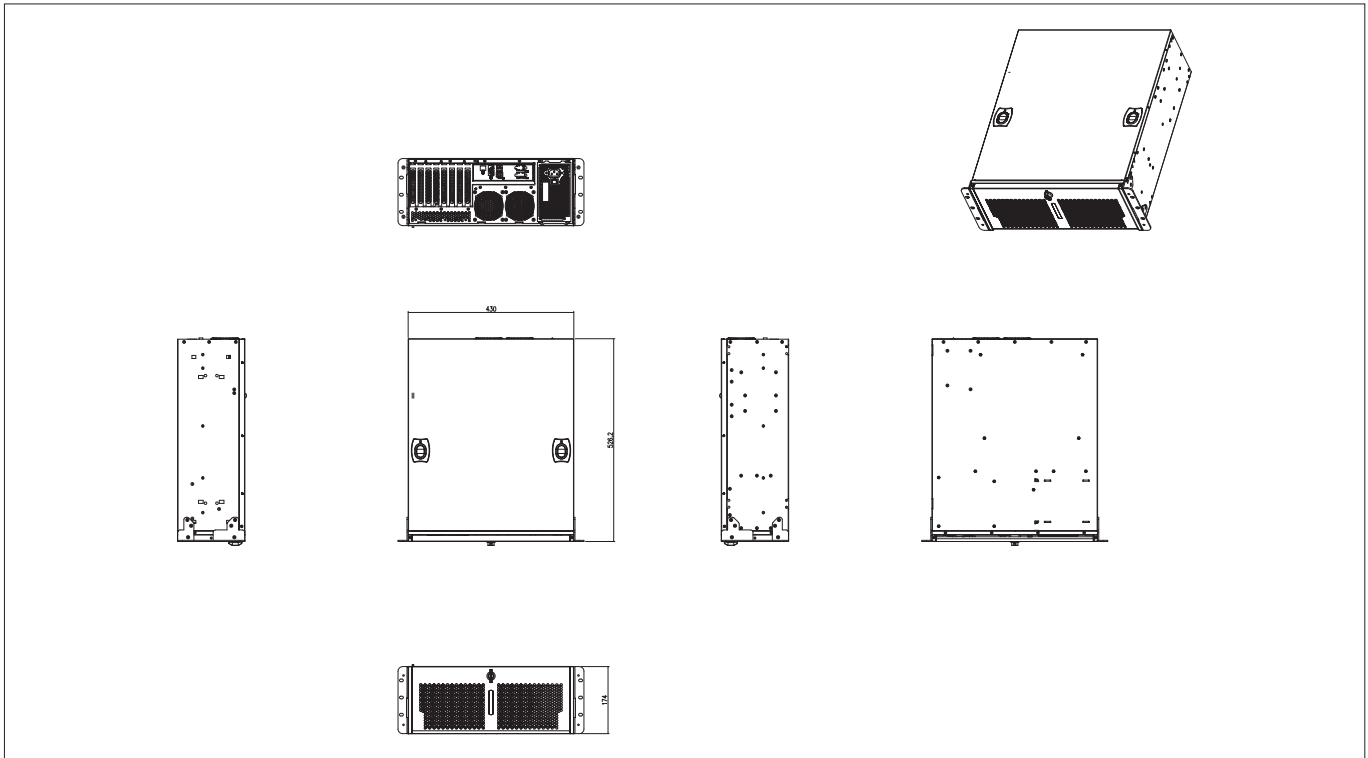
Mechanical & Environmental

Operating Temp.	0 ~ 40°C (L6 system)
Storage Temp.	-40°C 24hrs IEC60068-2-1 Cold test Test: Ab 70°C/ RH95% 24hrs IEC 60068-2-3 Test: Ca
Operating Humidity	35°C @95% Relative Humidity, Non-condensing
Weight	19.5KG
Dimension (W x L x D)	19" 4U Chassis 430mm (W) x 174.8mm (H) x 528mm (D) 482.6mm (W) x 174.8mm (H) x 528mm (D) with ear mount

Software Support

OS	Windows 11 SAC and LTSC Windows Server 2025 Ubuntu 24.04 LTS or later Red Hat Enterprise Linux(RHEL)
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Mechanical Drawing



Ordering Information

Model Name	P/N	CPU	Chipset	Memory	PCIe Slot	10GbE/2.5GbE/1GbE	USB 3.2 Gen2/USB 3.2 Gen1/USB 2.0	2.5" Drive Bay	PSU
HPS-GNRU4A	HPS-GNRU4AD-A1R	1	NA	8	4	2/0/1	0/4/0	3	1300W PS2 ATX

Packing List

Item	P/N	Quantity
L6 19" 4U Rackmount w/HPM-GNRUAA/1300W	HPS-GNRU4AD-A1R	1
LGA4710 CPU carrier-E2B	E199TR00082R	1

CPU Support List (HPC Only)

SKU	Launch Date	# of Cores	# of Threads	Processor Base Frequency	Max Turbo Frequency	TDP (W)
Intel® Xeon® 6740P	Q1,25	48	96	2.1 GHz	3.8 GHz	270
Intel® Xeon® 6781P (Only HPM-GNRUA use)	Q1,25	80	160	2.0 GHz	3.8 GHz	350
Intel® Xeon® 6530P	Q1,25	32	64	2.3 GHz	4.1 GHz	225
Intel® Xeon® 6520P	Q1,25	24	48	2.4 GHz	4.0 GHz	210
Intel® Xeon® 6731P (Only HPM-GNRUA use)	Q1,25	32	64	2.5 GHz	4.1 GHz	245
Intel® Xeon® 6521P (Only HPM-GNRUA use)	Q1,25	24	48	2.6 GHz	4.1 GHz	225
Intel® Xeon® 6736P	Q1,25	36	72	2.0 GHz	4.1 GHz	205
Intel® Xeon® 6517P	Q1,25	16	32	3.2 GHz	4.2 GHz	190
Intel® Xeon® 6515P	Q1,25	16	32	2.3 GHz	3.8 GHz	150
Intel® Xeon® 6505P	Q1,25	12	24	2.2 GHz	4.1 GHz	150

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I/O Overview

