

HPS-SIEU4A

Single 4th Generation AMD EPYC 8004 Processor,
1300W, 5x 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
- AMD SP6 Socket supports 4th Generation AMD EPYC Processor (Max. TDP at 225W)
- 6 x DDR5 4800/ 4400 MHz RDIMM up to 1.5TB
- IPMI 2.0 with AST 2600 BMC controller onboard
- 1 x Intel I210AT 1GbE controller
- 1 x Intel I226-LM 2.5GbE controller
- 1 x Intel X550AT2 10GbE controller supports 2 x 10GbE Ethernet ports



4th Gen.
AMD EPYC
Processor



6 x DDR5
RDIMM
4800/4400MHz



IPMI 2.0
Supported



10GbE



PCIe Gen5
Multiple
Expansion

Specifications

System Information

Processor	AMD SP6 Socket supports 4th Generation AMD EPYC Processor (Max. TDP at 225W)
Platform Controller Hub	N/A
System Memory	6 x DDR5 4800/4400 MHz RDIMM up to 1.5TB
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-SIEUA

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	4 x USB 3.2 Gen1 ports
COM Port	1 x RS232 port
VGA	1 x VGA port
RJ-45	5 x RJ45 MGMT port for dedicated IPMI access only LAN1 port for 1GbE shares with IPMI access LAN2 port for 2.5GbE LAN3 and 4 ports for 10GbE

Display

Graphic Chipset	AST 2600 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	3 x PCIe Gen5 x16 slots and 4 x PCIe Gen5 x8 slots Slot 1, PCIe 5.0 x8 Slot 2, PCIe 5.0 x16 Slot 3, PCIe 5.0 x8 Slot 4, PCIe 5.0 x16 Slot 5, PCIe 5.0 x8 Slot 6, PCIe 5.0 x16 Slot 7, PCIe 5.0 x8 (Slot 7 is the slot closest to CPU)
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Storage

M.2	2 x M.2 M-Key PCIe 5.0 x4 NVMe SSD/SATA, 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 I226-LM 2.5GbE controller 1 x Intel X550AT2 10GbE controller supports 2 x 10GbE Ethernet ports
LAN Port	5 x RJ45 MGMT port for dedicated IPMI access only LAN1 port for 1GbE shares with IPMI access LAN2 port for 2.5GbE LAN3 and 4 ports for 10GbE

Mechanical & Environmental

Operating Temp.	0 ~ 35°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
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

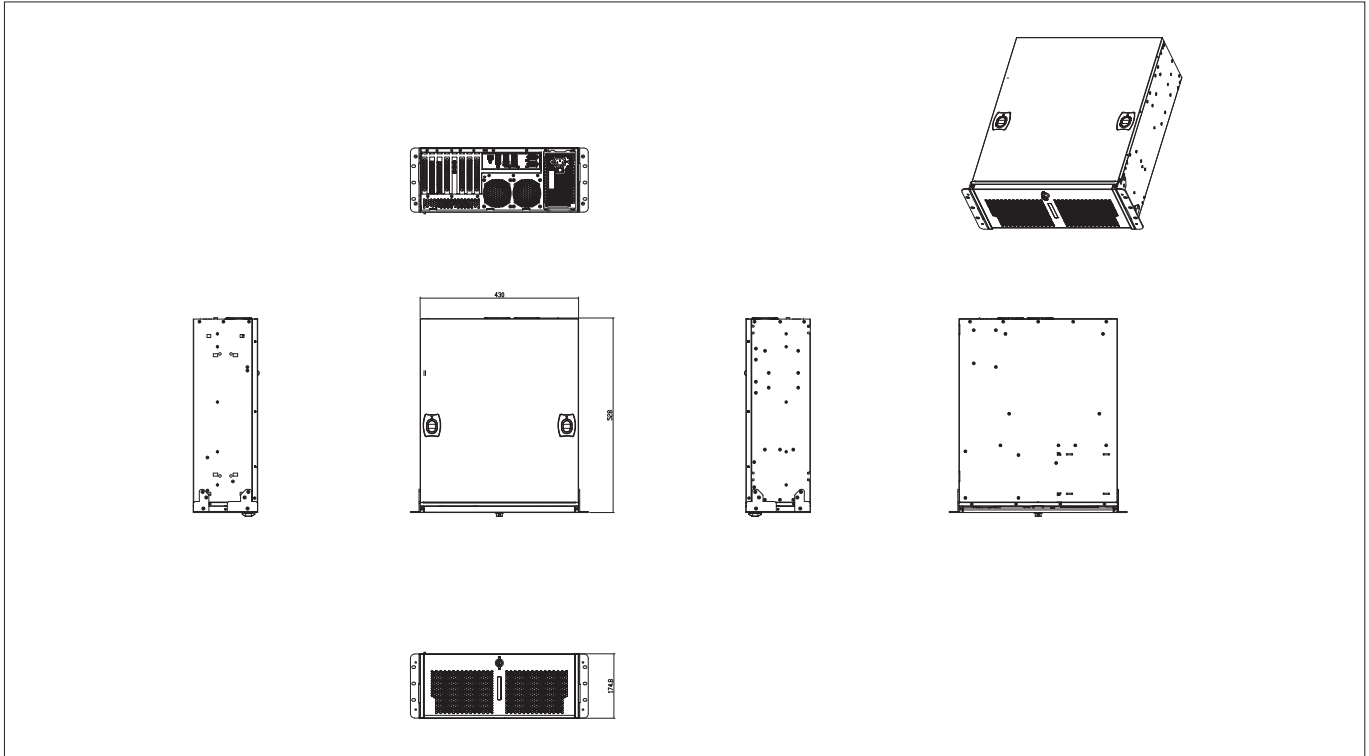
Software Support

OS	Windows Server 2019 bare-metal support (KB5017379) & Hyper-V support (KB5018419) Windows Server 2022. Ubuntu 20.04 LTS & 22.04 LTS or later Red Hat Enterprise Linux (RHEL) 9.0 or later
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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-SIEU4A	HPS-SIEU4AD-A1R	1	N/A	6	7	2/1/1	0/6/0	3	1300W PS2 ATX

Packing List

Item	P/N	Quantity
L6 19" 4U Rackmount w/ HPM-SIEUAA/ 1300W	HPS-SIEU4AD-A1R	1

Optional Items

Item	P/N
CPU Cooler for LGA4844 2U 10600RPM 300W	BCC-FAN-484-01R
US Power Cord 1.8M	E170P060390R
EU Power Cord 1.8M	E1702031000R
UK Power Cord 1.8M	E170P060380R
JP Power Cord 1.8M	E170P060410R

CPU Support List (HPC Only)

SKU	Launch Date	# of Cores	# of Threads	Processor Base Frequency	Max Turbo Frequency	TDP (W)
AMD EPYC™ 8534P	Q4,24	64	128	2.3 GHz	3.15 GHz	200
AMD EPYC™ 8434P	Q4,24	48	96	2.5 GHz	3.15 GHz	200
AMD EPYC™ 8324P	Q4,24	32	64	2.65 GHz	3.0 GHz	180
AMD EPYC™ 8224P	Q4,24	24	48	2.55 GHz	3.0 GHz	160
AMD EPYC™ 8124P	Q4,24	16	32	2.45 GHz	3.0 GHz	125
AMD EPYC™ 8C24P	Q4,24	12	24	2.45 GHz	3.0 GHz	100

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I/O Overview

