

HPS-ERSU4A

19" 4U Rackmount Barebone, supports single 5th Gen.
Intel® Xeon® SP Processor



4th/5th Gen.
Intel® Xeon®
Scalable
Processor



6 x DDR5
RDIMM
5600MHz



IPMI 2.0
Supported



10GbE



PCIe Gen5
Multiple
Expansion

Features

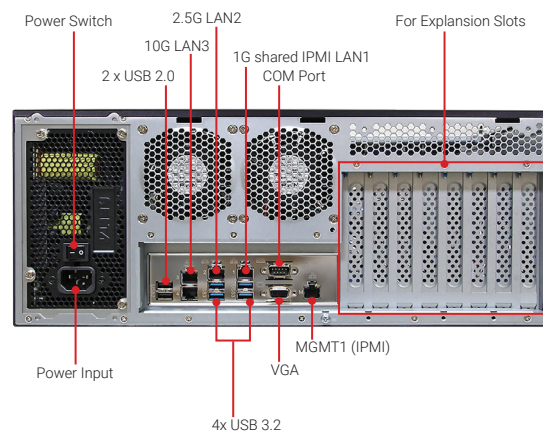
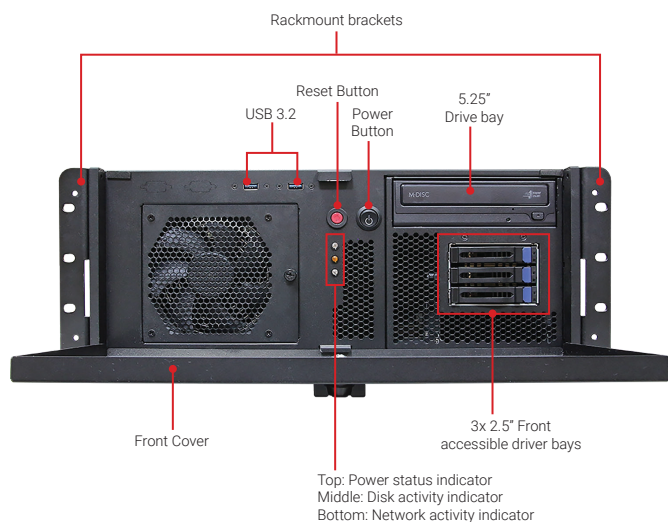
- Extended Lifecycle Server-grade Workstation
- Lockable Front Cover
- Intel® LGA4677 Socket supports 5th Gen. Intel® Xeon Scalable Processors (Max. TDP at 270W)
- Intel® C741 Chipset
- Supports 6 x DDR5 5600MT/s RDIMM up to 1.5TB
- 4 x PCIe Gen5 x16 Slots, and 3 x PCIe Gen5 x4 Slots
- 1 x 1300W PS2 ATX PSU
- 3 x Front Accessible 2.5" storage bay
- 1 x Intel® X550-AT2 10GbE Ethernet Controller supports 2 x RJ45 LAN ports, 10GbE each port
- 5 x RJ45 LAN Ports: 4 x LAN plus 1 x Management LAN shared with IPMI Port
- 4 x USB 3.2 Gen 1 port & 2 x USB 2.0 port at Edge I/O
- 1 x VGA, 1 x COM Port
- Supports IPMI 2.0 with AST 2600 BMC Controller Onboard
- TPM 2.0 Onboard
- 19" 4U Chassis
- L6 Barebone only
- L10 Fully Integrated System available through OEM/ODM
- Custom configurations: Redundant Power Supply

SPECIFICATIONS

System	
Motherboard Inside	HPM-ERSUAA (4LAN)
Processor	Intel® LGA4677 Socket supports 5th Gen. Intel® Xeon Scalable Processors (Max. TDP at 270W)
Chipset	Intel® C741 Chipset
Memory	Supports 6 x DDR5 5600MT/s RDIMM up to 1.5TB
BMC/IPMI	IPMI 2.0 with AST 2600 BMC Controller Onboard
TPM	Onboard TPM 2.0
Expansion Interfaces	
PCI Express	4 x PCIe Gen5 x16 slots and 3 x PCIe Gen5 x4 slots
Storage	
M.2	1 x M.2 M-Key 2242/2260/2280/22110 supports 1 x SATA or 1 x PCIe 3.0 x4 NVMe SSD
SATA	5 x SATA III supports up to 6.0 Gb/s SATA 1~4 support RAID 0, 1, 5, 10
2.5" Drive Bay	3 x Front Accessible 2.5" Storage Bay
IPMI/Graphics	
Controller	AST2600 Series BMC Controller
Interface	1 x VGA
Resolution	1920 x 1200 @ 60Hz 32bpp
IPMI	IPMI 2.0

Ethernet	
Controller	1 x Intel® Ethernet Controller I210-AT (1GbE) 1 x Intel® Ethernet Controller I226-LM (2.5GbE) 1 x Intel® Ethernet Controller X550-AT2 supports 2 x 10GbE LAN Ports
Interface	5 x RJ45: 4 x LAN plus 1 x Management LAN shared with IPMI Port
Supported OS	
Windows	Windows 10 IoT Enterprise LTSC 2021 Windows 11 IoT Enterprise Windows Server-grade IoT 2019 with VT-d disabled Windows Server-grade IoT 2022
Linux	Ubuntu Red Hat Enterprise Linux (RHEL)

SPECIFICATIONS / ADDITIONAL PRODUCT PHOTOS



Edge I/O (Front)

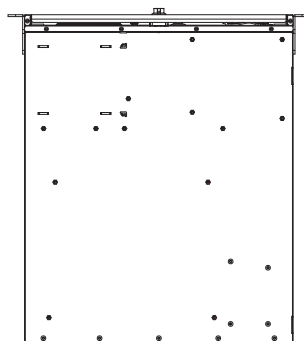
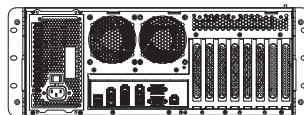
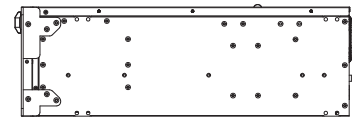
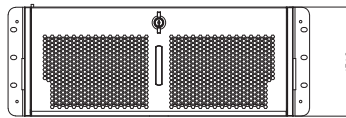
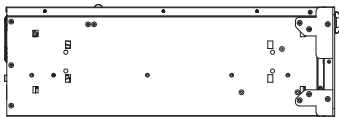
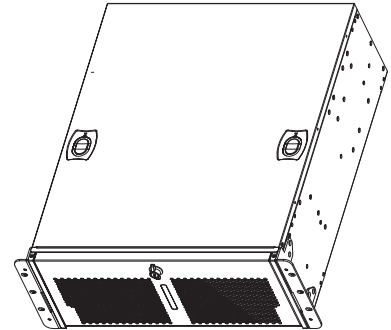
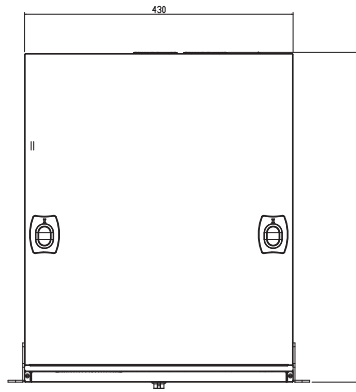
USB	2 x USB 3.2 Gen 1
Power Button	1 x Power Button
Reset Button	1 x Reset Button
LED Indicator	1 x Power State Indicator 1 x Disk Drive Activity Indicator 1 x Network Activity Indicator

Edge I/O (Rear)

USB	4 x USB 3.2 Gen 1 2 x USB 2.0
COM Port	1 x RS232 Port
Display	1 x VGA Port
LAN	Management LAN Port (MLAN) for dedicated IPMI access only. Controlled by BMC Chip. LAN1: Intel® 1GbE shared with IPMI access LAN2: Intel® 2.5GbE LAN3 and LAN 4: Intel® 10GbE
Temperature Sensor	1 x Inlet Sensor Onboard 1 x Outlet Sensor Onboard 1 x Inlet Sensor Header 1 x Outlet Sensor Header

Mechanical, Power, and Environment

Power Mode	ATX
Power Supply Unit	1 x 1300W PS2 ATX PSU
Operating Temperature	0°C to 35°C (L6 system)
Storage Temperature	-40°C 24hrs IEC60068-2-1 Cold Test : Ab 70°C/ RH95% 24hrs IEC 60068-2-3 Test:Ca
Operating Humidity	35°C @ 95% Relative Humidity, Non-condensing
Regulatory Compliance	CE/FCC Class B, safety: EN62368
Dimensions	19" 4U Chassis 16.93"W x 6.88"H x 20.79" (430 x 174.8 x 528mm) 19"W x 6.88" x 20.79" (482.6 x 174.8 x 528mm) with ear mount
Weight	43lbs (19.5kg)



CPU Support List (HPC Only)

SKU	Launch Date	# of Cores	# of Threads	Processor Base Frequency	Max Turbo Frequency	TDP (W)
Intel® Xeon® Gold 6548Y+	Q4,23	32	64	2.5 GHz	4.1 GHz	250
Intel® Xeon® Gold 6526Y	Q4,23	16	32	2.8 GHz	3.9 GHz	195
Intel® Xeon® Gold 5515+	Q4,23	8	16	3.2 GHz	4.1 GHz	165
Intel® Xeon® Gold 6530	Q4,23	32	64	2.1 GHz	4.0 GHz	270
Intel® Xeon® Gold 5520+	Q4,23	28	56	2.2 GHz	4.0 GHz	205
Intel® Xeon® Silver 4516Y+	Q4,23	24	48	2.2 GHz	3.7 GHz	185
Intel® Xeon® Silver 4514Y	Q4,23	16	32	2.0 GHz	3.4 GHz	150
Intel® Xeon® Silver 4510	Q4,23	12	24	2.4 GHz	4.1 GHz	150
Intel® Xeon® Silver 4509Y	Q4,23	8	16	2.6 GHz	4.1 GHz	125
Intel® Xeon® Silver 4510T	Q4,23	12	24	2.0 GHz	3.7 GHz	115
Intel® Xeon® Bronze 3508U	Q4,23	8	8	2.1 GHz	2.2 GHz	125
Intel® Xeon® Gold 6448Y	Q1,23	32	64	2.1 GHz	4.1 GHz	225
Intel® Xeon® Gold 6426Y	Q1,23	16	32	2.5 GHz	4.1 GHz	185
Intel® Xeon® Gold 6418H	Q1,23	24	48	2.1 GHz	4.0 GHz	185
Intel® Xeon® Gold 5415+	Q1,23	8	16	2.9 GHz	4.1 GHz	150
Intel® Xeon® Gold 5420+	Q1,23	28	56	2.0 GHz	4.1 GHz	205
Intel® Xeon® Gold 5418Y	Q1,23	24	48	2.0 GHz	3.8 GHz	185
Intel® Xeon® Silver 4416+	Q1,23	20	40	2.0 GHz	3.9 GHz	165
Intel® Xeon® Silver 4410Y	Q1,23	12	24	2.0 GHz	3.9 GHz	150
Intel® Xeon® Silver 4410T	Q1,23	10	20	2.7 GHz	4.0 GHz	150
Intel® Xeon® Bronze 3408U	Q1,23	8	8	1.8 GHz	1.9 GHz	125
Intel® Xeon® Gold 6430	Q1,23	32	64	2.10 GHz	3.40 GHz	270

ORDERING INFORMATION

Model Name	CPU/CPU Socket	Description
HPS-ERSU4AD-A1R	1 x LGA4677 Socket	Barebone Only. L6 19" 4U Rackmount HPC System, 4 LAN, CPU Cooler, 1300W PS2 PSU

PACKING LIST

- ✓ 1 x Motherboard
- ✓ 1 x LGA4677 CPU Carrier



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