

# HPS-ERSD4A

**Dual 4th/5th Generation Intel® Xeon® Scalable Processors with Intel® C741 Chipset, 1300W, 5 x RJ-45, IPMI2.0 Workstation**



## Product Features

- 19" 4U Chassis
- 1 x 1300W PS2 ATX PSU or 1 x 1600W CRPS
- Dual Intel LGA4677 Sockets support 4th/5th Generation Intel® Xeon® Scalable Processors (Max. TDP at 270W)
- 12 x DDR5 5600 MHz RDIMM up to 3TB
- 1 x Intel I210AT 1GbE controller
- 1 x Intel X550AT2 10GbE controller supports 2 x 10GbE Ethernet ports
- 430mm(W) x 174.8mm(H) x 650mm(D)
- 3 x Front accessible 2.5" storage bays
- Intel® C741 Chipset
- IPMI 2.0 with AST 2600 BMC controller onboard
- 1 x Intel I226-LM 2.5GbE controller

## Specification

### System Information

Processor	Dual Intel FCLGA4677 Sockets support 4th/5th Generation Intel Xeon Scalable Processors (Max. TDP at 270W each)
Platform Controller Hub	Intel® C741 Chipset
System Memory	12 x DDR5 5600 MHz RDIMM up to 3TB
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-ERSDE

## 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	6 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 (Default) 1 x 1600W CRPS (Option)
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## Expansion

Expansion	7 x PCIe Gen5 x16 slots Slot 1, PCIe 5.0 x16 from 2nd CPU Slot 2, PCIe 5.0 x16 from 1st CPU Slot 3, PCIe 5.0 x16 from 2nd CPU Slot 4, PCIe 5.0 x16 from 1st CPU Slot 5, PCIe 5.0 x16 from 2nd CPU Slot 6, PCIe 5.0 x16 from 1st CPU Slot 7, PCIe 5.0 x16 from 2nd CPU (Slot 7 is the slot closest to CPU)
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## Storage

M.2	1 x M.2 M-Key PCIe 5.0 x4 NVMe SSD, 2242/2260/2280/22110 form factor
2.5 Drive Bay	3 x Front accessible 2.5" storage bays

## Ethernet

<b>LAN Chipset</b>	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
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<b>LAN Port</b>	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
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## Mechanical & Environmental

<b>Operating Temp.</b>	0 ~ 35°C (L6 system with 1300W ATX PSU) 0 ~ 40°C (L6 system with 1600W CRPS)
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<b>Storage Temp.</b>	-40°C 24hrs IEC60068-2-1 Cold test Test: Ab 70°C/ RH95% 24hrs IEC 60068-2-3 Test: Ca
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<b>Operating Humidity</b>	35°C @95% Relative Humidity, Non-condensing
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<b>Weight</b>	25.8KG
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<b>Dimension (W x L x D)</b>	19" 4U Chassis 430mm(W) x 174.8mm(H) x 650mm(D) 482.6mm(W) x 174.8mm(H) x 650mm(D) with ear mount
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## Software Support

<b>OS</b>	Windows 10 IoT Enterprise LTSC 2021 Windows 11 Windows Server 2019 Windows Server 2022 Ubuntu 21.10, 22.04 LTS or later Red Hat Enterprise Linux (RHEL) 8.2 and later
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## Ordering Information

<b>Ordering Information</b>	HPS-ERSD4AD-A1R L6 19" 4U Rackmount w/HPM-ERSDEA/1300W/1x5.25"/3x2.5" HPS-ERSD4AU-A1R L6 19" 4U Rackmount w/HPM-ERSDEA/1600W/1x5.25"/3x2.5"
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