



## Features

- Tower Chassis
- 340mm (W) x 488mm (H) x 528mm (D) with external handles & pedestal stand
- 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<br>Fan speed and voltage monitoring<br>Fan speed control<br>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<br>1 x Disk activity indicator<br>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<br>MGMT port for dedicated IPMI access only<br>LAN1 port for 1GbE shares with IPMI access<br>LAN2 port for 2.5GbE<br>LAN3 and 4 ports for 10GbE |

### Display

|                 |                                               |
|-----------------|-----------------------------------------------|
| Graphic Chipset | AST 2600 BMC controller                       |
| Resolution      | 1 x VGA port<br>VGA: 1920 x 1200 @ 60Hz 32bpp |

### Power Requirement

|                   |                       |
|-------------------|-----------------------|
| Power Supply Unit | 1 x 1300W PS2 ATX PSU |
|-------------------|-----------------------|

### Expansion

|           |                                                                                                                                                                                                                                                            |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Expansion | 3 x PCIe Gen5 x16 slots and 4 x PCIe Gen5 x8 slots<br>Slot 1, PCIe 5.0 x8<br>Slot 2, PCIe 5.0 x16<br>Slot 3, PCIe 5.0 x8<br>Slot 4, PCIe 5.0 x16<br>Slot 5, PCIe 5.0 x8<br>Slot 6, PCIe 5.0 x16<br>Slot 7, PCIe 5.0 x8 (Slot 7 is the slot closest to CPU) |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 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<br>1 x Intel I226-LM 2.5GbE controller<br>1 x Intel X550AT2 10GbE controller supports 2 x 10GbE Ethernet ports          |
| LAN Port    | 5 x RJ45<br>MGMT port for dedicated IPMI access only<br>LAN1 port for 1GbE shares with IPMI access<br>LAN2 port for 2.5GbE<br>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<br>70°C/ RH95% 24hrs IEC 60068-2-3 Test: Ca                                                                                    |
| Operating Humidity    | 5°C @95% Relative Humidity, Non-condensing                                                                                                                                 |
| Dimension (W x L x D) | Tower Chassis<br>340mm (W) x 488mm (H) x 528mm (D) with external handles & pedestal stand<br>174.8mm (W) x 430mm (H) x 528mm (D) without external handles & pedestal stand |

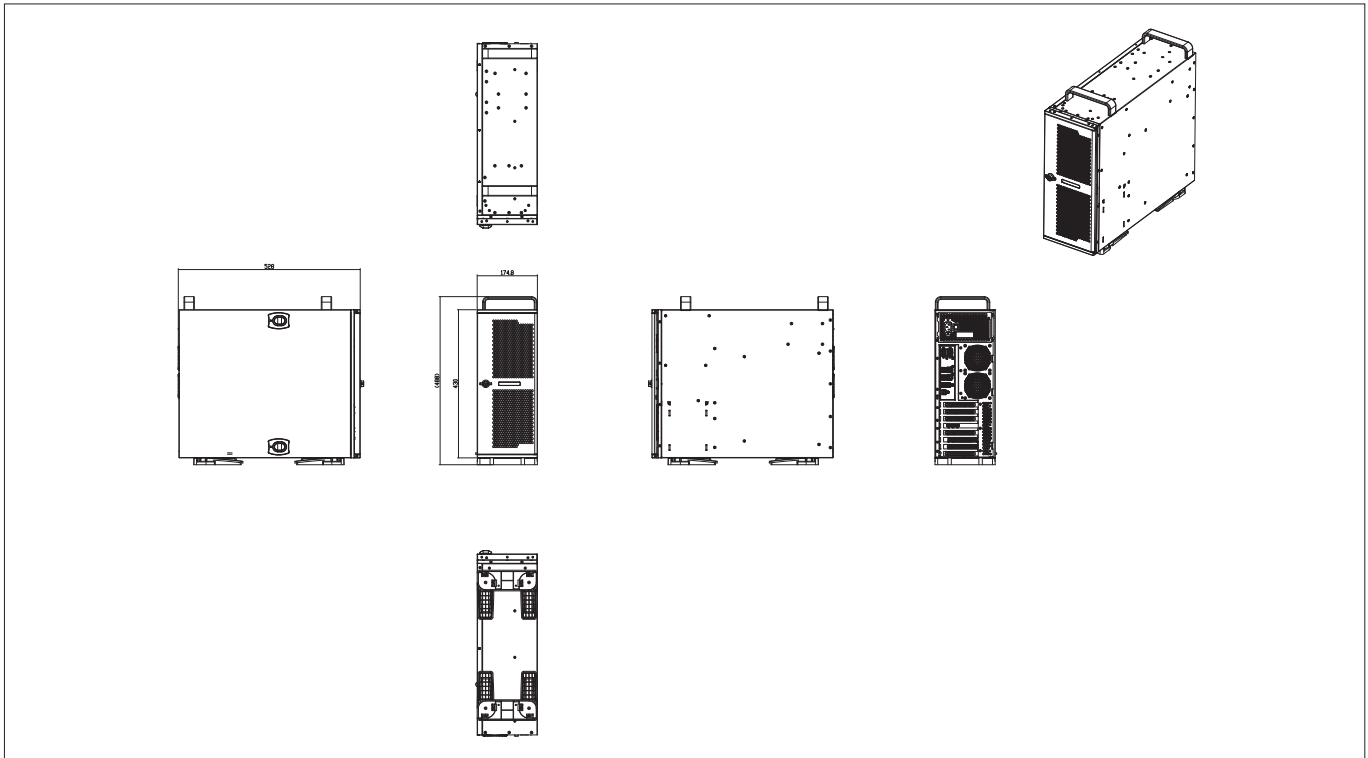
### Software Support

|    |                                                                                                                                                                                                  |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OS | Windows Server 2019 bare-metal support (KB5017379) & Hyper-V support (KB5018419)<br>Windows Server 2022.<br>Ubuntu 20.04 LTS & 22.04 LTS or later<br>Red Hat Enterprise Linux(RHEL) 9.0 or later |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# HPS-SIEUTA

Tower Workstation supports Single 4th Generation  
AMD EPYC 8004 Processor, 1300W, 5x RJ-45, IPMI2.0

## 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-SIEUTA | HPS-SIEUTAD-A1R | 1   | N/A     | 6      | 7         | 2/1/1             | 0/6/0                             | 3              | 1300W PS2 ATX |

## Packing List

| Item                                      | P/N             | Quantity |
|-------------------------------------------|-----------------|----------|
| L6 Tower Workstation w/ HPM-SIEUAA/ 1300W | HPS-SIEUTAD-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     |

## I/O Overview

