

IoT SuperServer AS -1116R-FN4

H14 1U Ultra-short depth 249mm chassis with AMD EPYC™ 4005/4004 65W server



Key Applications

AI Inference and Machine Learning, Cloud Computing, Healthcare, Surveillance Security Server,

Key Features

- Single AMD EPYC™ 4005/4004 & Ryzen™ 9000/7000 Series Processors up to 65W with air cooling;
- Support for PCIe GPU accelerator cards;
- Up to 4 DIMMs supporting up to 192GB DDR5-5600 UDIMM;
- Up to 1 PCIe 5.0 x16 LP slots;
- Up to 2 internal fixed 2.5" SATA drive bays;
- Mini-1U chassis with 9.8" (249mm) depth;
- 1 x 200W power supply;



Form Factor	Mini-1U Enclosure: 437 x 43 x 249mm (17.2" x 1.7" x 9.8") Package: 655 x 155 x 465mm (25.8" x 6.1" x 18.3")
Processor	Single Socket AM5 (LGA-1718) AMD EPYC™ 4005/4004 Series Processor 16C/32T; 64MB Cache
System Memory	Slot Count: 2 DIMM slots Max Memory (1DPC): 192GB 5600MT/s ECC/non-ECC DDR5 UDIMM
Drive Bays Configuration	Default: Total 2 bays <ul style="list-style-type: none"> • 2 internal fixed 2.5" NVMe* drive bays Option A: Total 1 bay <ul style="list-style-type: none"> • 1 internal fixed 3.5" SATA* drive bay (*NVMe/SATA support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 1 M.2 PCIe 5.0 x4 slot (M-Key 2280) 1 M.2 PCIe 5.0 x4 NVMe slot (M-key 22110)
Expansion Slots	PCI-Express (PCIe) Configuration: Default <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 (in x16) LP slot M.2: 1 M.2 PCIe 5.0 x4 slot (M-key 2280) 1 M.2 PCIe 5.0 x4 slot (M-key 22110)
On-Board Devices	AMD B650
Input / Output	LAN: 4 RJ45 1 GbE LAN ports (Intel® I350-AM4) 1 RJ45 1 GbE Dedicated BMC LAN port (ASPEED AST2600) USB: 1 USB 3.2 Gen2 Type-C port(Rear) 2 USB 3.2 Gen2 Type-A ports(Rear) 1 USB 3.0 Gen1 Type-A port(Rear) Video: 1 HDMI 2.1 port(Rear) 1 Mini-DP port(Rear) TPM: 1 TPM header 1 TPM Onboard/port 80



* Requires additional parts from the optional parts list and limits processor to lower TDP

System Cooling	Fans: 3 counter-rotating 40x40x28mm Fan(s) Air Shroud: 1 Air Shroud
Power Supply	1x 200W Gold Level (91%) power supply
System BIOS	BIOS Type: AMI 32MB UEFI BIOS Features: ACPI 6.5 SMBIOS 3.7 or later UEFI 2.9
Management	SuperCloud Composer®; Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!; Plug-ins for 3rd Party Software
PC Health Monitoring	FAN: Status monitor for speed control
Dimensions and Weight	Weight: Gross Weight: 10 lbs (4.54 kg) Available Color: Black
Operating Environment	Operating Temperature: 0°C to 40°C (32°F to 104°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)
Motherboard	<u>Super H14SRV-HLN4F</u>
Chassis	<u>CSE-505-203B</u>