

CloudDC A+ Server AS -1115CS-TNR

1U CloudDC with 10 hot-swap 2.5" NVMe/SAS/SATA bays and 2 PCIe 5.0 x16 slots + 2 AIOM slots



Key Applications

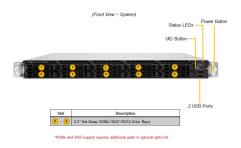
Web Server, Firewall Application, Data Center Optimized, Value IaaS, Cloud Computing, Compact Server, DNS & Gateway Servers, Firewall Application, CDN, Edge Nodes,

Key Features

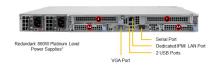
- Single 4th Generation AMD EPYC[™] 9004 Series Processors;
- 2 PCle 5.0 x16 FHHL;
- Dual AIOM with NCSI (OCP 3.0) for networking, 1 dedicated IPMI LAN;
- 10x 2.5" hot-swap hybrid NVMe/SATA/SAS drive bays;
- 860W redundant Platinum level 100-240Vac and 200-240 Vdc power supplies;(*Full redundancy based on configuration and application load);
- 2 On-board PCle 3.0 x2 M.2 NVMe 80mm/110mm (Boot);

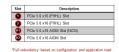


Form Factor	1U Rackmount
	Enclosure: 437 x 43 x 597mm (17.2" x 1.7" x 23.5")
	Package: 605 x 197 x 822mm (23.8" x 7.8" x 32.4")
Processor	Single Socket SP5
	AMD EPYC™ 9004 Series Processors
	Up to 128C/256T
GPU	Max GPU Count: Up to 2 single-width GPU(s)
	Supported GPU: NVIDIA PCIe: L4, A2
	CPU-GPU Interconnect: PCle 5.0 x16 CPU-to-GPU Interconnect
	GPU-GPU Interconnect: PCle
System Memory	Slot Count: 12 DIMM slots
	Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 10 bay(s)
	• 10 front hot-swap 2.5" NVMe*/SAS*/SATA drive bay(s)
	(*NVMe/SAS support may require additional storage controller and/or cables, please see the optional parts list for details)
	M.2: 2 M.2 PCIe 3.0 x2 NVMe slot(s) (M-key 2280/22110)
Expansion Slots	Default
	• 2 PCIe 5.0 x16 FHHL slot(s)
	• 2 PCIe 5.0 x16 AIOM slot(s) (OCP 3.0 compatible)
On-Board Devices	Chipset: System on Chip
	Network Connectivity: Via Slim-AIOM
Input / Output	LAN: 1 RJ45 1 GbE Dedicated IPMI LAN port(s)
	USB: 2 USB 3.0 port(s) (rear)
	2 USB 2.0 port(s) (front)
	Video: 1 VGA port(s)
	Serial: 1 COM port(s) (Rear)



(Rear View - System





System Cooling	Fans: 6x 4cm heavy duty fans with optimal fan speed control

Air Shroud: 1 Air Shroud(s)

Power Supply 1x 860W Redundant Platinum Level power supply

Note: AS -1115CS-TNR-EU (European) SKU uses PWS-861A-1R (Titanium Level)

System BIOS BIOS Type: AMI 32MB SPI Flash ROM

BIOS Features: ACPI 6.4

Plug and Play (PnP) SMBIOS 3.5 or later

UEFI 2.8

USB Keyboard support

Management SuperCloud Composer; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); SuperDoctor® 5;

Super Diagnostics Offline; TAS: Supermicro Thin-Agent Service (TAS); SAA(new!)

PC Health Monitoring FAN: Fans with tachometer monitoring

Status monitor for speed control

Pulse Width Modulated (PWM) fan connectors

 $\label{thm:continuous} \mbox{Temperature: Monitoring for CPU and chassis environment}$

Thermal Control for fan connectors

Voltage:

System temperature, Memory temperature, CPU temperature, 3.3V standby, +5V standby, +5V, +3.3V, +12V, CPU

thermal trip support

Dimensions and Weight Weight: Gross Weight: 46 lbs (20.9 kg)

Net Weight: 25 lbs (11.3 kg) Available Color: Black front & sliver body

Operating Environment Operating Temperature: $10^{\circ}\text{C} \sim 35^{\circ}\text{C} (50^{\circ}\text{F} \sim 95^{\circ}\text{F})$

Non-operating Temperature: -40°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)

Motherboard Super H13SSW

Chassis CSE-LB16TS-R860AWP-A