

# 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



More details here

## 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 AMD EPYC™ 9004/9005\* Series Processor  
(\*AMD EPYC™ 9005 series drop-in support requires board revision 2.x);
- Support up to DDR5 12 DIMM slots (1DPC), speed up to 6400MT/s  
(Please check System Memory Section for detail);
- 2 PCIe 5.0 x16 FHHL;
- Dual AIOM (OCP 3.0) for networking, 1 dedicated IPMI LAN;
- 10 Hot-swap 2.5" SATA drive bays  
Optional 10 Hot-swap NVMe/SAS drives support via additional parts  
2 M.2 PCIe 3.0 x2 NVMe slots;
- Dual 860W Redundant Platinum Level power supplies  
(Power supply full redundancy based on configuration and application load);



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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor              | 1U Rackmount<br>Enclosure: 437 x 43 x 597mm (17.2" x 1.7" x 23.5")<br>Package: 605 x 197 x 822mm (23.8" x 7.8" x 32.4")                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Processor                | Single processor(s)<br>AMD EPYC™ 9004/9005 Series Processors<br>(* AMD EPYC™ 9005 Series drop-in support requires board revision 2.x)<br>Up to 160C/320T                                                                                                                                                                                                                                                                                                                                                                                              |
| GPU                      | Max GPU Count: Up to 2 single-width GPUs<br>Supported GPU: NVIDIA PCIe: A2, L4<br>CPU-GPU Interconnect: PCIe 5.0 x16 CPU-to-GPU Interconnect<br>GPU-GPU Interconnect: PCIe                                                                                                                                                                                                                                                                                                                                                                            |
| System Memory            | Slot Count: 12 DIMM slots<br>Max Memory (1DPC): Up to 3TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor, MB R1.x/R2.0/R2.01)<br>Max Memory (1DPC): Up to 3TB 6000MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor, MB R2.0)<br>Max Memory (1DPC): Up to 3TB 6400MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor, MB R2.01)                                                                                                                                                                                                        |
| Drive Bays Configuration | Default: Total 10 bays <ul style="list-style-type: none"> <li>• 10 front hot-swap 2.5" SATA drive bays</li> </ul> Option A: Total 10 bays <ul style="list-style-type: none"> <li>• 10 front hot-swap 2.5" PCIe 5.0 NVMe* drive bays</li> </ul> Option B: Total 10 bays <ul style="list-style-type: none"> <li>• 10 front hot-swap 2.5" SAS* drive bays</li> </ul> (*NVMe/SAS support may require additional storage controller and/or cables, please see the optional parts list for details)<br>M.2: 2 M.2 PCIe 3.0 x2 NVMe slots (M-key 2280/22110) |
| Expansion Slots          | Default <ul style="list-style-type: none"> <li>• 2 PCIe 5.0 x16 FHHL slots</li> <li>• 2 PCIe 5.0 x16 AIOM slots (OCP 3.0 compatible)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                       |
| On-Board Devices         | Chipset: AMD System on Chip<br>Network Connectivity: Via AIOM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Input / Output           | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

USB: 2 USB 3.0 ports (rear)  
2 USB 2.0 ports (front)  
Video: 1 VGA port  
Serial: 1 COM port (rear)  
TPM: 1 TPM header

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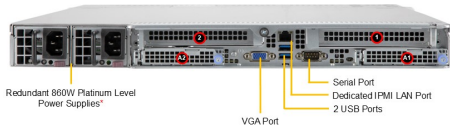
(Front View – System)



| Drive Bay                                 | Description |
|-------------------------------------------|-------------|
| 10 Hot-swap 2.5" NVMe/SAS/SATA Drive Bays |             |

\*NVMe and SAS support requires additional parts from the optional parts list

(Rear View – System)



| Slot | Slot Description            |
|------|-----------------------------|
| 1    | PCIe 5.0 x16 FHFL           |
| 2    | PCIe 5.0 x16 FHFL           |
| 3    | PCIe 5.0 x16 ACOM (OCP 3.0) |
| 4    | PCIe 5.0 x16 ACOM (OCP 3.0) |

\*Full redundancy based on configuration and application load.

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Cooling        | <p>Fans: Up to 6x 4cm heavy duty fans with optimal fan speed control</p> <p>Air Shroud: 1 Air Shroud</p>                                                                                                                                                                                                                                                                                                                                                                                     |
| Power Supply          | <p>2x 860W Redundant (1 + 1) Platinum Level (94%) power supplies</p>                                                                                                                                                                                                                                                                                                                                                                                                                         |
| System BIOS           | <p>BIOS Type: AMI 32MB SPI Flash ROM</p> <p>BIOS Features: ACPI 6.4</p> <ul style="list-style-type: none"> <li>Plug and Play (PnP)</li> <li>SMBIOS 3.5 or later</li> <li>UEFI 2.8</li> <li>USB Keyboard support</li> </ul>                                                                                                                                                                                                                                                                   |
| Management            | <p>SuperCloud Composer® (SCC); Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); OOB Management Package (SFT-OOB-LIC ); SuperServer Automation Assistant (SAA) New!</p>                                                                                                                                                                                               |
| PC Health Monitoring  | <p>Fan: Fans with tachometer monitoring</p> <ul style="list-style-type: none"> <li>Pulse Width Modulated (PWM) fan connectors</li> <li>Status monitor for speed control</li> </ul> <p>Temperature: Monitoring for CPU and chassis environment</p> <ul style="list-style-type: none"> <li>Thermal Control for fan connectors</li> </ul> <p>Voltage:</p> <p>System temperature, Memory temperature, CPU temperature, 3.3V standby, +5V standby, +5V, +3.3V, +12V, CPU thermal trip support</p> |
| Dimensions and Weight | <p>Weight: Gross Weight: 46 lbs (20.9 kg)</p> <p>Net Weight: 25 lbs (11.3 kg)</p> <p>Available Color: Black front &amp; silver body</p>                                                                                                                                                                                                                                                                                                                                                      |
| Operating Environment | <p>Operating Temperature: 10°C to 35°C (50°F to 95°F)</p> <p>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)</p> <p>Operating Relative Humidity: 8% to 90% (non-condensing)</p> <p>Non-operating Relative Humidity: 5% to 95% (non-condensing)</p>                                                                                                                                                                                                                                 |
| Motherboard           | <p><a href="#">Super H13SSW</a></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Chassis               | <p>CSE-LB16TS-R860AWP-A</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |