

# IoT SuperServer SYS-111AD-WRN2

1U short-depth 14th Gen Intel Core edge server with 2 internal 2.5" drive bays and PCIe 5.0



## Key Applications

Virtualization, Firewall Applications, Edge/Cloud Computing Services,  
CDN/vCDN/Cloud CDN, VRAN/ORAN for Telecom,

## Key Features

- Intel® 14th/13th/12th Gen Core i9/i7/i5/i3 (ADL/RPL-S) Processor in LGA1700 Socket with R680E Chipset;
- 4 DIMM slots, DDR5-4400MHz memory, support up to 128GB;
- 1x dedicated IPMI LAN, 2x 2.5GbE BaseT LAN ports via Intel® I226 Controller;
- 800W 100-240Vac Platinum Single Power Supply (can be upgraded to redundant power supply);

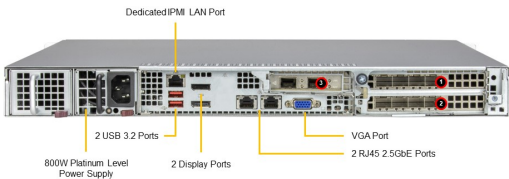


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|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor              | 1U<br>Enclosure: 437 x 43 x 429mm (17.2" x 1.7" x 16.9")<br>Package: 686 x 203 x 610mm (27" x 8" x 24")                                                                                                                                                                                                              |
| Processor                | Single LGA-1700<br>14th/13th/12th Gen Intel® Core™ i9/i7/i5/i3 Processors                                                                                                                                                                                                                                            |
| GPU                      | Max GPU Count: 1 double-width or 1 single-width GPU<br>Supported GPU: NVIDIA PCIe: L4, RTX A2000, T1000                                                                                                                                                                                                              |
| System Memory            | Slot Count: 4 DIMM slots<br>Max Memory (2DPC): Up to 128GB 4400MT/s ECC/non-ECC DDR5 UDIMM                                                                                                                                                                                                                           |
| Drive Bays Configuration | Default: Total 2 bays <ul style="list-style-type: none"> <li>• 2 internal fixed 2.5" NVMe/SAS/SATA drive bays</li> </ul> M.2: 2 M.2 NVMe slots (M-key 2280/22110) <ul style="list-style-type: none"> <li>1 M.2 PCIe 3.0 x4 NVMe slot (M-key 2280)</li> <li>1 M.2 PCIe 4.0 x4 NVMe slot (M-key 2280/22110)</li> </ul> |
| Expansion Slots          | Default <ul style="list-style-type: none"> <li>• 2 PCIe 5.0 x8 FHFL slots</li> <li>• 1 PCIe 4.0 x4 LP slot</li> </ul> Option A <ul style="list-style-type: none"> <li>• 1 PCIe 5.0 x16 (in x16) FHFL double-width slot</li> <li>• 1 PCIe 4.0 x4 (in x8) HHHHL slot</li> </ul>                                        |
| On-Board Devices         | 2 RJ45 2.5GbE with Intel® I226                                                                                                                                                                                                                                                                                       |
| Input / Output           | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port<br>2 RJ45 2.5 GbE LAN ports (Intel® I226)<br>USB: 2 ports<br>Video: 1 VGA port<br>2 DisplayPort 1.4a ports                                                                                                                                                                  |

(Front View – System)



(Rear View – System)



| Slot Description |                                           |
|------------------|-------------------------------------------|
| 1                | PCIe 5.0 x16 FHFL (x8 if Slot 2 occupied) |
| 2                | PCIe 5.0 x8 FHFL                          |
| 3                | PCIe 4.0 x8 HHFL                          |

|                       |                                                                                                                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Cooling        | Fans: Up to 5 Heavy duty counter-rotating 4cm Fan(s)<br>Air Shroud: 1 Air Shroud                                                                                                                                                           |
| Power Supply          | 1x 800W Redundant Platinum Level (94%) power supply                                                                                                                                                                                        |
| System BIOS           | BIOS Type: AMI 32MB SPI Flash<br>BIOS Features: Plug and Play (PnP)<br>ACPI 6.5<br>SMBIOS 3.6 or later<br>UEFI 2.8<br>USB Keyboard support                                                                                                 |
| Management            | SuperCloud Composer®; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New! |
| PC Health Monitoring  | Temperature: Platform Environment Control Interface (PECI) 3.0 support<br>SuperDoctor® 5<br>System resource alert via SuperDoctor®5                                                                                                        |
| Dimensions and Weight | Weight: Gross Weight: 25.2 lbs (11.43 kg)<br>Net Weight: 15.5 lbs (7.03 kg)<br>Available Color: No Paint                                                                                                                                   |
| Operating Environment | Operating Temperature: 0°C to 40°C (32°F to 104°F)<br>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)<br>Operating Relative Humidity: 8% to 90% (non-condensing)<br>Non-operating Relative Humidity: 5% to 95% (non-condensing)  |
| Motherboard           | <a href="#">Super X13SAW-F</a>                                                                                                                                                                                                             |
| Chassis               | CSE-514-R00RWNP                                                                                                                                                                                                                            |