

IoT SuperServer SYS-111AD-WN2R

1U 14th Gen intel Core edge server with 6 external 2.5" drive bays and PCIe 5.0



Key Applications

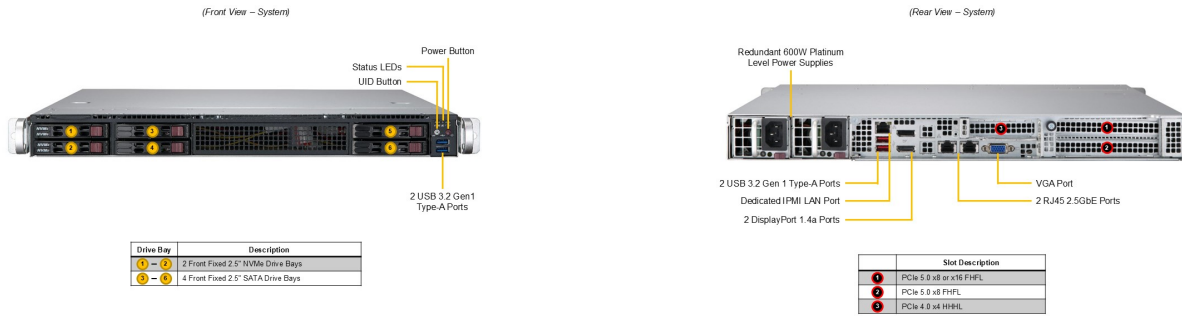
Virtualization, Firewall Applications, Edge/Cloud Computing Services, CDN/vCDN/Cloud CDN, VRAN/ORAN for Telecom,

Key Features

- Single LGA-1700 14th/13th/12th Gen Intel® Core™ i9/i7/i5/i3 Processors up to 80W with air cooling;
- Support for up to 1 double-width PCIe GPU accelerator cards;
- Up to 4 DIMMs supporting up to 192GB DDR5-4400 in 2DPC;
- Up to 6 external 2.5" drive bays, 4x SATA & 2x NVMe;
- Up to 2 PCIe 5.0 x8 FHFL + 1 PCIe 4.0 x4 LP slots;
- 2 RJ45 2.5GbE;
- 1 Redundant 600W Titanium Level power supply;



Form Factor	1U Rackmount Enclosure: 437 x 43 x 559mm (17.2" x 1.7" x 22") Package: 686 x 203 x 610mm (27" x 8" x 24")
Processor	Single LGA-1700 14th/13th/12th Gen Intel® Core™ i9/i7/i5/i3 Processors
GPU	1 double-width or 1 single-width GPU
System Memory	Slot Count: 4 DIMM slots Max Memory (2DPC): Up to 192GB 4400MT/s ECC/non-ECC DDR5 UDIMM
Drive Bays Configuration	Default: Total 6 bays <ul style="list-style-type: none"> • 2 front fixed 2.5" NVMe drive bays • 4 front fixed 2.5" SATA drive bays M.2: 1 M.2 PCIe 3.0 x4 NVMe slot (M-key 2280) 1 M.2 PCIe 4.0 x4 NVMe slot (M-key 2280/22110)
Expansion Slots	Default <ul style="list-style-type: none"> • 2 PCIe 5.0 x8 FHFL slots • 1 PCIe 4.0 x4 LP slot Option A <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 (in x16) FHFL double-width slot • 1 PCIe 4.0 x4 (in x8) HHHL slot
On-Board Devices	Chipset: Intel® R680E Network Connectivity: 2 RJ45 2.5GbE with Intel® I226
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port 2 RJ45 2.5 GbE LAN ports (Intel® I226) USB: 2 USB 3.2 Gen1 Type-A ports(rear) 2 USB 3.2 Gen1 Type-A ports(front) Video: 1 VGA port 2 DisplayPort 1.4a ports



System Cooling	Fans: Up to 5 Heavy duty counter-rotating Fan(s) Air Shroud: 1 Air Shroud
Power Supply	1x 600W Redundant Titanium Level (96%) power supply
System BIOS	BIOS Type: AMI 32MB SPI Flash BIOS Features: Plug and Play (PnP) ACPI 6.5 SMBIOS 3.6 or later UEFI 2.8 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 SuperDoctor® 5 System resource alert via SuperDoctor®5
Dimensions and Weight	Weight: Gross Weight: 29 lbs (13.15 kg) Net Weight: 17.6 lbs (8 kg) Available Color: Black
Operating Environment	Name: A3 Operating Temperature: 5°C to 40°C (41°F to 104°F) Non-operating Temperature: -30°C to 60°C (-40°F to 140°F) Operating Relative Humidity: 8% to 85% (max 24° DP; non-condensing) Non-operating Relative Humidity: 8% to 90% (max 38° DP; non-condensing)
Motherboard	Super X13SAW-F
Chassis	CSE-112TS-R000RWNP