

# RMS147 1U Rackmount Computer

1U UP short-depth 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/o-RAN,

## 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);

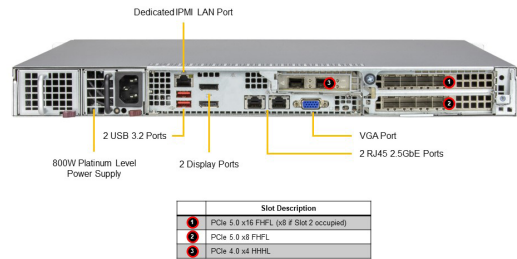


Form Factor	1U Enclosure: 437 x 43 x 429mm (17.2" x 1.7" x 16.9") Package: 486 x 203 x 610mm (27" x 8" x 24")
Processor	Single LGA-1700 14th/13th/12th Gen Intel® Core™ i9/i7/i5/i3 Processors
GPU	Max GPU Count : Single-width GPU Supported GPU : NVIDIA PCIe: A1000, T1000, A2
System Memory	Slot Count: 4 DIMM slots 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	<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) HHHL slot</li></ul>
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 ports Video: 1 VGA port 2 DisplayPort 1.4a ports

(Front View – System)



(Rear View – System)



#### System Cooling

Fans: 5 Heavy duty counter-rotating 4cm Fan(s)  
Air Shroud: 1 Air Shroud

#### Power Supply

1x 800W Redundant Platinum Level (94%) 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: SuperDoctor® 5  
System resource alert via SuperDoctor®5  
Platform Environment Control Interface (PECI) 3.0 support

#### Dimensions and Weight

Weight: Gross Weight: 25.2 lbs (11.43 kg)  
Available Color: No Paint

#### 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

[Super X13SAW-F](#)