

# GrandTwin SuperServer AS -2116GT-HNTF

2U 4-Node GrandTwin with up to 4 hot-swap 2.5" NVMe/SATA drives per node and front I/O



## Key Applications

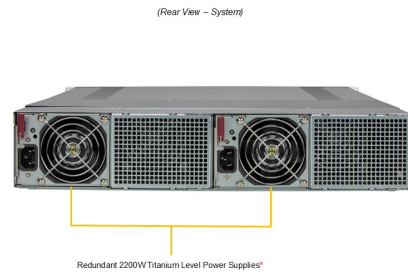
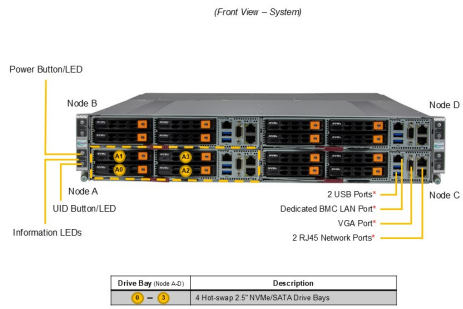
HPC, Cloud Gaming, MEC (Multi-Access Edge Computing), Multi-Purpose CDN, Telco Edge Cloud, EDA (Electric Design Automation),

## Key Features

- Four **hot-pluggable** systems (nodes) in a 2U form factor. Each node supports the following;;
- Single Socket SP5 AMD EPYC™ 9005/9004 Series Processors up to 400W with air cooling;
- Up to 16 DIMMs supporting up to 6TB DDR5-4400 in 2DPC;
- Flexible networking with AIOM support;
- Up to 4 front hot-swap 2.5" NVMe/SATA drive bays;
- 1 Redundant 2200W Titanium Level power supply;



|                                 |  |
|---------------------------------|--|
| <b>Form Factor</b>              | 2U Rackmount<br>Enclosure: 449 x 88 x 711.2mm (17.67" x 3.46" x 28")<br>Package: 626 x 248 x 1150mm (24.65" x 9.76" x 45.28")                  |
| <b>Processor</b>                | Single processor(s)<br>AMD EPYC™ 9005/9004 Series Processors<br>Up to 160C/320T; Up to 384MB Cache   |
| <b>System Memory</b>            | Slot Count: 16 DIMM slots<br>Max Memory (2DPC): Up to 6TB 4400MT/s ECC DDR5 RDIMM  |
| <b>Drive Bays Configuration</b> | Default: Total 4 bays<br>• 4 front hot-swap 2.5" NVMe/SATA drive bays<br>M.2: 2 M.2 NVMe/SATA slots (M-key)                                    |
| <b>Expansion Slots</b>          | PCI-Express (PCIe) Configuration: Option A<br>• 1 PCIe 5.0 x16 AIOM slot (OCP 3.0 compatible)<br>M.2: 2 M.2 NVMe/SATA slots (M-key 2280/22110) |
| <b>On-Board Devices</b>         | Chipset: System on Chip<br>Network Connectivity: Via IO Module   |
| <b>Input / Output</b>           | LAN: 1 RJ45 1 GbE Dedicated BMC LAN port<br>USB: 2 USB 3.0 ports<br>Video: 1 VGA port  |



\*Supported by GrandView IO Module

\*Full redundancy based on configuration and application load

|                       |   |
|-----------------------|---|
| System Cooling        | Fans: 2x 17.6K RPM Heavy Duty 8cm Fan(s)<br>Air Shroud: 1 per node Air Shroud   |
| Power Supply          | 2x 2200W Redundant Titanium Level (96%) power supplies  |
| System BIOS           | BIOS Type: AMI 32MB Flash ROM   |
| Management            | SuperCloud Composer®; Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!  |
| PC Health Monitoring  | FAN: Fans with tachometer monitoring<br>Status monitor for speed control<br>Pulse Width Modulated (PWM) fan connectors<br>Temperature: Monitoring for CPU and chassis environment<br>Voltage:<br>Voltage, VBAT, Memory temperature, CPU temperature, 3.3V standby, +5V standby, +5V, +3.3V, +12V, VRM temperature, CPU thermal trip support, 1.8V standby |
| Dimensions and Weight | Weight: Gross Weight: 88 lbs (39.9 kg)<br>Net Weight: 68 lbs (30.8 kg)<br>Available Color: Silver   |
| Operating Environment | RoHS Compliant<br>Operating Temperature: 10°C to 35°C (50°F to 95°F)<br>Non-operating Temperature: -30°C to 60°C (-22°F to 140°F)<br>Operating Relative Humidity: 8% to 80% (non-condensing)<br>Non-operating Relative Humidity: 8% to 90% (non-condensing)   |
| Motherboard           | <a href="#">Super H14SST-G</a>  |
| Chassis               | <b>CSE-GT214BF-R2K21BP</b>  |