

GrandTwin SuperServer AS -2116GT-DTNF

2U 2-Node GrandTwin with front I/O and double-width GPU support

Key Applications

HPC, IoT Gateway, Deep Learning/AI/Machine Learning Development, Scale-Out Object Storage, Cloud Gaming, Telco Edge, MEC (Multi-Access Edge Computing), Multi-Purpose CDN, Cluster Node, GPU Virtualization (VDI), HPC cluster computer nodes,

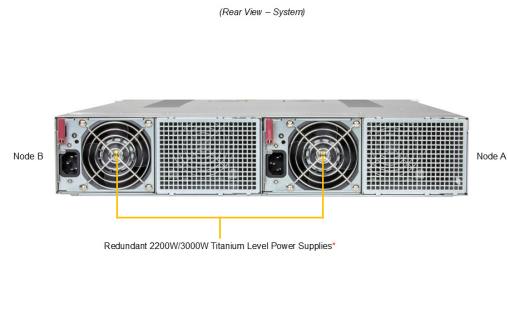
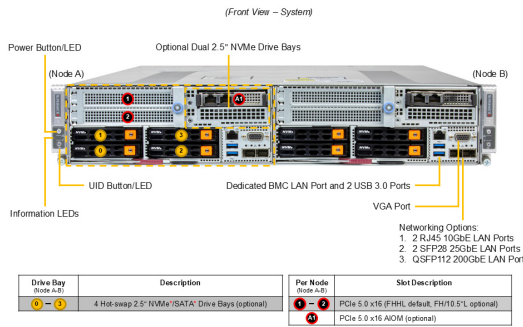
Key Features

- Two **hot-pluggable** systems (nodes) in a 2U form factor. Each node supports the following;;
- Single Socket SP5 AMD EPYC™ 9005 Series Processors up to 500W with air cooling;
- Up to 12 DIMMs, 6400 MT/s 3TB DDR5 memory in 1DPC;
- Up to 2 PCIe 5.0 x16 FHHL slots or 1 PCIe 5.0 x16 FH/10.5"L Double Width slot
Flexible networking with AIOM support
GrandTwin front IO module offers additional value for networking expansion(10G/25G/200G);
- Up to 4 front hot-swap 2.5" NVMe/SATA drive bays or up to 6 front hot-swap 2.5" NVMe drive bays
*NVMe/SATA support requires additional parts from the optional parts list;
- 2 Redundant 2200W Titanium Level power supplies



Form Factor: 2U Rackmount
Form Factor: supply full redundancy based on configuration and application load);
Enclosure: 449 x 88 x 711.2mm (17.67" x 3.46" x 28")
Package: 626 x 248 x 1150mm (24.65" x 9.76" x 45.28")

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|---------------------------------|--|
| Processor | Single processor(s) AMD EPYC™ 9005 Series Processors Up to 192C/384T; Up to 512MB Cache |
| GPU | Up to 1 double-width or 2 single-width GPUs |
| System Memory | Slot Count: 12 DIMM slots/1 Channels Max Memory (1DPC): Up to 3TB 6400MT/s ECC DDR5 RDIMM |
| Drive Bays Configuration | Default: Total 4 bays <ul style="list-style-type: none"> • 4 front hot-swap 2.5" PCIe 5.0 x4 NVMe*/SATA* drive bays Option A: Total 6 bays <ul style="list-style-type: none"> • 6 front hot-swap 2.5" PCIe 5.0 x4 NVMe* drive bays (*NVMe/SATA support may require additional storage controller and/or cables, please see the optional parts list for details) M.2: 2 M.2 PCIe 5.0 x4 NVMe slots (M-key 22110(default)/2280) |
| Expansion Slots | Default <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 (in x16) FHHL slot Option A* <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 (in x16) FHHL slot Option B* <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 (in x16) FH/10.5"L double-width slot Option C* <ul style="list-style-type: none"> • 1 PCIe 5.0 x16 (in x16) AIOM slot (OCP 3.0 compatible) |
| On-Board Devices | Via IO Module |
| Input / Output | USB: 2 USB 3.0 ports Video: 1 VGA port TPM: 1 TPM Onboard/port 80 |



*NVMe/SATA functionality depends on configuration chosen. Additional parts are required

*Full redundancy based on configuration and application load

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|-----------------------|---|
| System Cooling | Fans: Up to 2x 17.6K RPM Heavy Duty 8cm Fan(s) |
| Power Supply | 2x 2200W Redundant (1 + 1) Titanium Level (96%) power supplies |
| System BIOS | BIOS Type: AMI 64MB 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 | CPU: Monitors for CPU Cores, Chipset Voltages, Memory. FAN: Fans with tachometer monitoring Pulse Width Modulated (PWM) fan connectors Status monitor for speed control Temperature: Monitoring for CPU and chassis environment |
| Dimensions and Weight | Weight: Gross Weight: 77.3 lbs (35.1 kg) Net Weight: 57.3 lbs (26 kg) Available Color: Silver |
| Operating Environment | RoHS Compliant Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -30°C to 60°C (-22°F to 140°F) Operating Relative Humidity: 8% to 80% (non-condensing) Non-operating Relative Humidity: 8% to 90% (non-condensing) |
| Motherboard | Super H14SST-GE |
| Chassis | CSE-GT222BG-R2K21BP |