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
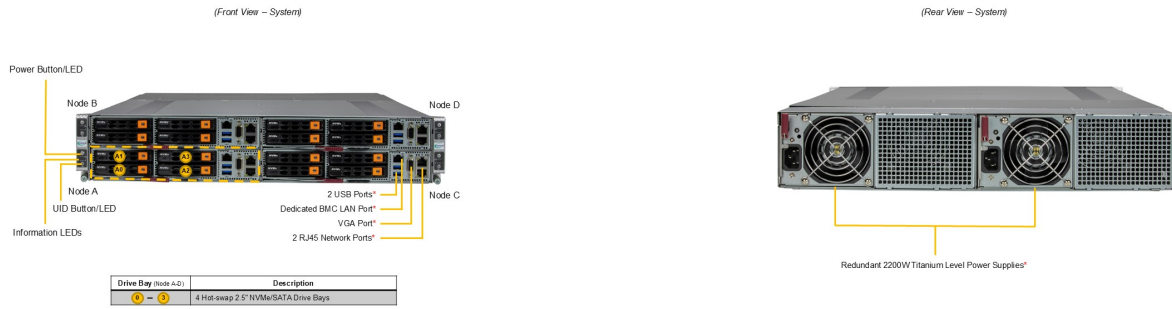
More details here

Key Applications

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

Key Features

- 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 up to AIOM slots;
- Up to 4 front hot-swap 2.5" NVMe/SATA drive bays;
- 1 Redundant 2200W Titanium Level power supply;
- Four hot-pluggable systems (nodes) in a 2U form factor. Each node supports the following:;

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

(Front View – System)

Power Button/LED
Node B
Node D
Node A
UID Button/LED
Information LEDs
2 USB Ports*
Dedicated BMC LAN Port*
VGA Port*
2 RJ45 Network Ports*
Node C

Drive Bay (Node A-D)	Description
0 — 3	4 Hot-swap 2.5" NVMe/SATA Drive Bays

*Supported by GrandTwin IO Module

(Rear View – System)

Redundant 2200W Titanium Level Power Supplies*

* Full redundancy based on configuration and application load

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System Cooling

Air Shroud: 1 per node Air Shroud
Fans: 2x 17.6K RPM Heavy Duty 8cm Fan(s)

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
  Status monitor for speed control
  Pulse Width Modulated (PWM) fan connectors
Temperature: Monitoring for CPU and chassis environment
Voltage:
Voltage, VBAT, Memory temperature, CPU temperature, 3.3V standby, +5V standby, +5V, +3.3V, +12V, VRM temperature, CPU thermal trip support, 1.8V standby

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Dimensions and Weight

Weight: Gross Weight: 88 lbs (39.9 kg)
  Net Weight: 68 lbs (30.8 kg)
Available Color: Silver

Operating Environment

RoHS Compliant
Operating Temperature: 10°C ~ 35°C (50°F ~ 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-G

Chassis

CSE-GT214BF-R2K21BP