

GrandTwin SuperServer AS -2117GT7-DNF

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 AMD EPYC™ 9006 SP7 Series Processors up to 256 cores;
- Support for up to 1 double-width or 2 single-width GPU accelerator cards;
- Supports up to 2 PCIe 6.0 x16 FHHL slots or 1 PCIe 6.0 x16 FH/10.5"L Double Width slot;
- Supports up to 16 DDR5 RDIMMs/MRDIMMs;
- Flexible networking with 1 AIOM slot (OCP 3.0 SFF compliant);
- Up to 8 front hot-swap 2.5"/E1.S/E3.S NVMe drive bays;
- Dual Redundant Titanium Level power supplies (Power supply full redundancy based on configuration and application load);



Form Factor	2U Rackmount Enclosure: 449 x 88 x 807.7mm (17.67" x 3.46" x 31.8") Package: 740 x 342 x 1180mm (29.13" x 13.46" x 46.46")
Processor	Single processor(s) AMD EPYC™ 9006 SP7 Series Processors Up to 256C/512T
GPU	Up to 1 double-width or 2 single-width GPUs
System Memory	Slot Count: 16 DIMM slots Max Memory (1DPC): Up to 4TB 8000MT/s ECC DDR5 RDIMM/3DS RDIMM Max Memory (1DPC): Up to 4TB 12800MT/s ECC DDR5 MRDIMM
Drive Bays Configuration	Default: Total 4 bays • 4 front hot-swap 2.5" PCIe 6.0 NVMe* drive bays Option A: Total 8 bays • 8 front hot-swap 2.5" PCIe 6.0 NVMe* drive bays Option B: Total 8 bays • 8 front hot-swap E1.S PCIe 6.0 NVMe* drive bays Option C: Total 8 bays • 8 front hot-swap E3.S 1T PCIe 6.0 NVMe* drive bays (*NVMe 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 2280/22110; Optional Configuration)
Expansion Slots	PCI-Express (PCIe) Configuration: Option A* • 2 PCIe 6.0 x16 FHHL slots • 1 PCIe 6.0 x16 AIOM slot (OCP 3.0 compatible) Option B* • 1 PCIe 6.0 x16 AIOM slot (OCP 3.0 compatible) Option C* • 1 PCIe 6.0 x16 FH/10.5"L double-width slot • 1 PCIe 6.0 x16 AIOM slot (OCP 3.0 compatible) CXL Support: Up to 2 CXL 3.1 x16 devices
On-Board Devices	Via IO Module
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port

USB: 2 USB 3.0 ports
Video: 1 VGA port
TPM: 1 TPM header

System Cooling	Fans: 2x 18.7K 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® (SCC); 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: 88 lbs (39.9 kg) Net Weight: 68 lbs (30.8 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 H15SPT-G
Chassis	CSE-GT222DF-000NDTFP