GrandTwin SuperServer SYS-212GT-DNAF

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

More details here

Key Applications

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

Key Features

- Single Socket BR (LGA-7529) Intel® Xeon® 6900 series processors with P-cores up to 500W with air cooling;
- Up to 12 DIMMs supporting up to 3TB MRDIMM 8800 in 1DPC;
- Flexible networking with up to 2 PCIe 5.0 x16 FH AOC + 1 optional AIOM slot;
- Up to 2 PCIe 5.0 x16 FH10.5"L slots (1x double-width GPU or 2x single-width AOCs);
- Up to 4 front hot-swap U.2 NVMe drive bays;
- 2 Redundant 2200W Titanium (certification pending) Level power supplies;
- Two 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 Socket BR (LGA-7529) Intel® Xeon® 6900 series processors with P-cores Up to 128C/256T; Up to 504MB Cache
GPU	Max GPU Count: Up to 1 double-width or 2 single-width GPUs Supported GPU: NVIDIA PCIe: H100
System Memory	Slot Count: 12 DIMM slots/1 Channels Max Memory (1DPC): Up to 3TB 8800MT/s ECC DDR5 MRDIMM Max Memory (1DPC): Up to 3TB 6400MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 4 bays • 4 front hot-swap 2.5" PCIe 5.0 x4 NVMe drive bays M.2: 2 M.2 PCIe 5.0 x4 NVMe slots (M-key 22110(default)/2280; VROC required for RAID)
Expansion Slots	PCI-Express (PCIe) Configuration: Default • 2 PCIe 5.0 x16 (in x16) FH/10.5"L slots CXL Support: Up to 64 internal CXL 2.0 x16 Type 1/Type 2/Type 3 devices M.2: 2 M.2 PCIe 5.0 x4 NVMe slots (M-key 22110(default); VROC required for RAID)
On-Board Devices	NVMe: NVMe; RAID 0/1/5/10 support(VROC HW key required) Chipset: System on Chip
Input / Output	USB: 2 USB 3.0 ports Video: 1 VGA port

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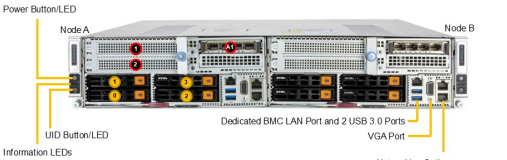
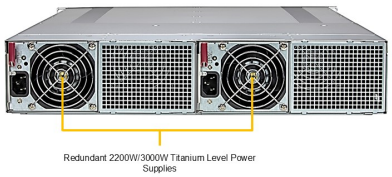
(Front View – System)



Drive Bay (Node A-B)	Description
0 – 3	4 Hot-Swap 2.5" U.2 NVMe Gen5 Drive Bays

Slot (Node A-B)	Description
AI	PCIe 5.0 x16 AIOM
1 – 2	2x PCIe 5.0 x16 (FHHL default, FH/10.5"L optional)

(Rear View – System)



System Cooling	Fans: 2x 16K 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	FAN: Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors Temperature: Monitoring for CPU and chassis environment CPU: Monitors for CPU Cores, Chipset Voltages, Memory.
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: 5°C ~ 40°C (41°F ~ 104°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 X14SBT-GAP**
Chassis	**CSE-222BG-R2K21BP**

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