# GPU SuperServer SYS-210GP-DNR

**2U 2-Node Multi-GPU System with Single Processor (Intel) and Up to 3 PCI-E GPUs per Node**



### Key Applications

High Performance Computing
AI/Deep Learning Training
Media/Video Streaming
Industrial Automation, Retail
Cloud Gaming

### Key Features

- Single Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable Processor;
- Intel® C621A Chipset;
- 2TB Registered ECC DDR4 3200MHz SDRAM in 8 DIMMs;
- 3 PCI-E Gen 4.0 x16 FHFL DW;
- 2 front Hot-swap 2.5" U.2 NVMe Gen4 drive bays; 2 M.2 NVMe and SATA for boot drive only;
- 2600W Redundant (1+1) Power Supplies Titanium Level (96%) (Full redundancy based on configuration and application load);
- AST2500 BMC;

More details here



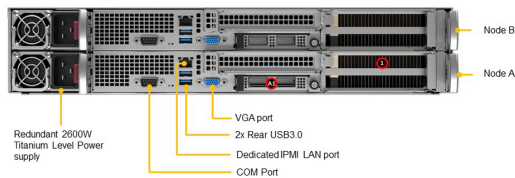| | |
|---|---|
| **Form Factor** | 2U Rackmount<br>Enclosure: 447 x 88 x 760mm (17.6" x 3.47" x 29.9")<br>Package: 600 x 240 x 1100mm (23.62" x 9.44" x 43.3") |
| **Processor** | 3rd Gen Intel® Xeon® Scalable processors<br>Single Socket LGA-4189 (Socket P+) supported<br>TDP up to 270W; |
| **GPU** | Supported GPU: NVIDIA A30, A40, A100<br>Intel® Data Center GPU Flex 140/170<br>GPU-GPU Interconnect: PCI-E |
| **System Memory** | 8 DIMM slots<br>Up to 2TB ECC RDIMM, DDR4-3200MHz |
| **Drive Bays** | 2x 2.5" hot-swap NVMe Support drive bays; 2x 2.5" NVMe dedicated; |
| **Expansion Slots** | Slot 1: PCI-E 4.0 x16 FHFL DW<br>Slot 2: PCI-E 4.0 x16 FHFL DW<br>Slot 3: PCI-E 4.0 x16 FHFL DW |
| **On-Board Devices** | Chipset: Intel® C621A<br>Network Connectivity: Via AIOM<br>IPMI:<br>Support for Intelligent Platform Management Interface v.2.0<br>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support |
| **Input / Output** | Video: 1 VGA port(s) |

*(Front View – System)*

*(Rear View – System)*

Power Button
Information LED
UID Button/ LED (Node A)

4x Hot-swap 8cm External Fans

| Slot | Description |
|------|-------------|
| 0 ~ 1 | 2x Hot-swap PCI-E Gen4 x8 U.2 NVMe Drive Bays |

Node B
Node A

Redundant 2600W Titanium Level Power supply

VGA port
2x Rear USB3.0
Dedicated IPMI LAN port
COM Port

| | Slot Name | Slot Description |
|---|-----------|------------------|
| ① | | PCI-E 4.0 x16 FHHL |
| A1 | AIOM/ OCP3.0 | PCI-E 4.0 x8 |

*Full redundancy based on configuration and application load.

| | |
|---|---|
| **Cooling System** | 4 heavy duty fan(s) |
| **Power Supply** | 2600W Redundant Power Supplies with PMBus<br>Dimension (W x H x L): 73.5 x 40 x 265 mm<br>Output Type: 25 Pairs Gold Finger Connector |
| **System BIOS** | BIOS Type: AMI 32MB SPI Flash EEPROM |
| **Management** | SuperDoctor® 5; Watch Dog; NMI; SUM; KVM with dedicated LAN; SPM; Intel® Node Manager; SSM; IPMI 2.0; Redfish API; OOB Management Package (SFT-OOB-LIC ) |
| **PC Health Monitoring** | CPU: Monitors for CPU Cores, Chipset Voltages, Memory<br>　　　7 +1 Phase-switching voltage regulator<br>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>　　　　Thermal Control for fan connectors |
| **Dimensions and Weight** | Height: 3.47" (88 mm)<br>Width: 17.6" (447 mm)<br>Depth: 29.9" (760 mm)<br>Gross Weight: 60 lbs (27.21 kg)<br>Net Weight: 55 lbs (24.94 kg)<br>Packaging: 9.44" (H) x 23.62" (W) x 43.3" (D)<br>Available Color: Black Front & Silver Body |
| **Operating Environment** | Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)<br>Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)<br>Operating Relative Humidity: 8% to 90% (non-condensing)<br>Non-operating Relative Humidity: 5% to 95% (non-condensing) |
| **Motherboard** | Super X12SPG-NF |
| **Chassis** | CSE-227GTS-R2K63P |

SUPERMICRO