

# GPU SuperServer SYS-210GP-DNR

2U 2-Node System with UP Intel and Up to 3 GPUs per Node



## Key Applications

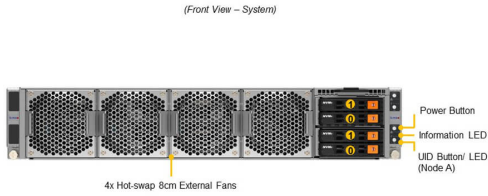
High Performance Computing, AI/Deep Learning Training, Media/Video Streaming, Industrial Automation, Retail, Cloud Gaming,

## Key Features

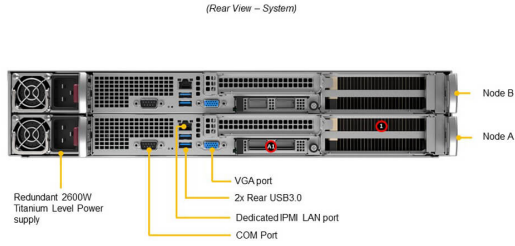
- Two **hot-pluggable** systems (nodes) in a 2U form factor. Each node supports the following;;
- Single Socket P+ (LGA-4189) 3rd Gen Intel® Xeon® Scalable Processor;
- Intel® C621A Chipset;
- 1TB Registered ECC DDR4 3200MHz SDRAM in 8 DIMMs;
- 3 PCIe Gen 4.0 x16 FHFL DW;
- 2 front Hot-swap 2.5" U.2 NVMe Gen4 drive bays  
2 M.2 NVMe and SATA for boot drive only;
- AST2500 BMC;



|                          |                                                                                                                                                                                                                                 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                | Single Socket P+ (LGA-4189)<br>3rd Gen Intel® Xeon® Scalable processors<br>Up to 40C/80T; Up to 60MB Cache                                                                                                                      |
| GPU                      | Max GPU Count: Up to 3 double-width or 3 single-width GPUs<br>Supported GPU: NVIDIA PCIe: A40, RTX A4500, RTX A4000, A30, A100, A10<br>CPU-GPU Interconnect: PCIe 4.0 x16 CPU-to-GPU Interconnect<br>GPU-GPU Interconnect: PCIe |
| System Memory            | Slot Count: 8 DIMM slots<br>Max Memory (2DPC): Up to 1TB 3200MT/s ECC DDR4 RDIMM/LRDIMM                                                                                                                                         |
| Drive Bays Configuration | Default: Total 2 bays <ul style="list-style-type: none"> <li>• 2 front hot-swap 2.5" NVMe drive bays</li> </ul> M.2: 2 M.2 NVMe/SATA slots (M-key)                                                                              |
| Expansion Slots          | Default <ul style="list-style-type: none"> <li>• 3 PCIe 4.0 x16 FHFL double-width slots</li> </ul>                                                                                                                              |
| On-Board Devices         | Chipset: Intel® C621A<br>Network Connectivity: Via AIOM                                                                                                                                                                         |
| Input / Output           | 1 VGA port                                                                                                                                                                                                                      |



| Slot  | Description                                  |
|-------|----------------------------------------------|
| 0 ~ 4 | 2x Hot-swap PCIe Gen4 x8 U.2 NVMe Drive Bays |



| Slot Name | Slot Description   |
|-----------|--------------------|
| 0         | PCI-E 4.0 x16 FHHL |
| 4         | PCI-E 4.0 x8       |

\*Full redundancy based on configuration and application load.

|                       |                                                                                                                                                                                                                                                                                                                            |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Cooling        | Fans: Up to 4 Removable heavy-duty Fan(s)                                                                                                                                                                                                                                                                                  |
| Power Supply          | 1x 2600W Redundant Titanium Level (96%) power supply                                                                                                                                                                                                                                                                       |
| System BIOS           | BIOS Type: AMI 32MB SPI Flash EEPROM                                                                                                                                                                                                                                                                                       |
| Management            | SuperCloud Composer®; Supermicro Server Manager (SSM); Supermicro Update Manager (SUM); Supermicro SuperDoctor® 5 (SD5); 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<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 | Weight: Gross Weight: 60 lbs (27.21 kg)<br>Net Weight: 55 lbs (24.94 kg)<br>Available Color: Black Front & Silver Body                                                                                                                                                                                                     |
| Operating Environment | Operating Temperature: 10°C to 35°C (50°F to 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           | <a href="#">Super X12SPG-NF</a>                                                                                                                                                                                                                                                                                            |
| Chassis               | <a href="#">CSE-227GTS-R2K63P</a>                                                                                                                                                                                                                                                                                          |