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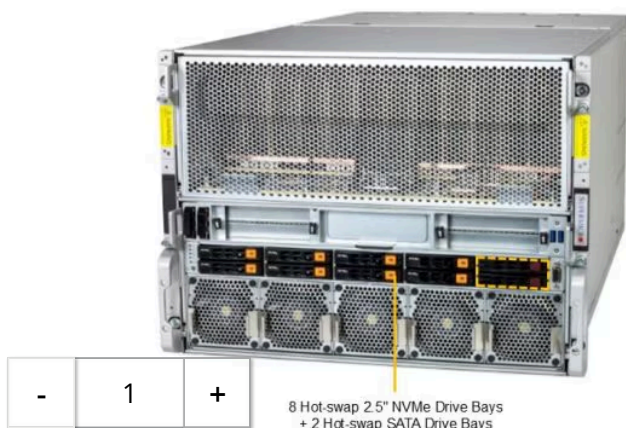
Supernova 8U GPU SuperServer (AS -8126GS-TNMR)

- **Key Features/Applications:** High Performance Computing, AI/Deep Learning Training, Machine Learning (ML), Database Processing and High Density Storage
- **CPU:** Dual AMD EPYC™ 9005/9004 Series Processors
- **Chassis:** 8U Rackmount
- **Drive:** 8 Front Hot-Swap 2.5" NVMe + 2 Front Hot-Swap 2.5" SATA Drive Bays
- **RAM:** 24 DDR5 DIMM Slots
- **GPU:** 8 Onboard AMD Instinct™ MI325X OAM Accelerators
- **Network Ports:** 2 RJ45 10 GbE LAN Ports
- **Ships Within 3-5 Business Days**

IN STOCK



(Angled View – System)



8 Hot-swap 2.5" NVMe Drive Bays
+ 2 Hot-swap SATA Drive Bays



Product SKUs

AS-8126GS-TNMR

AS-8126GS-TNMR-G1 Gold Series version with pre-configured components

Processor

CPU	- Dual processor(s) - AMD EPYC™ 9005/9004 Series Processors
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Core Count	Up to 384C/768T
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Note	Supports up to 500W TDP CPUs
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GPU

Max GPU Count	8 onboard GPUs
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Supported GPU	AMD: Instinct™ MI350X Accelerators, Instinct™ MI325X Accelerators
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CPU-GPU Interconnect	PCIe 5.0 x16 CPU-to-GPU Interconnect
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GPU-GPU Interconnect	AMD Infinity Fabric™ Link
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System Memory

Memory	- Slot Count: 24 DIMM slots - Max Memory (1DPC): Up to 6TB 6400MT/s ECC DDR5 RDIMM (AMD EPYC™ 9005 Series Processor) - Max Memory (1DPC): Up to 6TB 4800MT/s ECC DDR5 RDIMM (AMD EPYC™ 9004 Series Processor)
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Memory Voltage	1.1V
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On-Board Devices

Chipset	System on Chip
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Network Connectivity	2 RJ45 10GbE with Intel® X710
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Input / Output

LAN	1 RJ45 1 GbE Dedicated BMC LAN port
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USB	2 USB 3.0 Type-A ports(Rear)
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Video	1 VGA port
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TPM	1 TPM header
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System BIOS

BIOS Type	AMI 64MB SPI Flash EEPROM
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Management

Chassis

Form Factor	8U Rackmount
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Model	CSE-GP805TS-R000NPF
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Dimensions and Weight

Height	13.8" (356 mm)
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Width	17.6" (447 mm)
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Depth	33.2" (843 mm)
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Package	27.6" (H) x 51" (W) x 29.5" (D)
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Weight	- Gross Weight: 158.73 lbs (72 kg) - Net Weight: 105.82 lbs (48 kg)
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Available Color	Silver
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Front Panel

LED	- HDD activity - Network activity LEDs - System information (overheat/UID) - UID
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Buttons	- Power On/Off - UID/ Reset button
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Drive Bays / Storage

Drive Bays Configuration	- Default: Total 10 bays 2 front hot-swap 2.5" SATA drive bays 8 front hot-swap 2.5" NVMe drive bays
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M.2	2 M.2 NVMe slots (M-key)
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System Cooling

Fans	10 heavy duty fans with optimal fan speed control
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Air Shroud	1 Air Shroud
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Power Supply

QtyWithPsu	6x 5250W
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Description	6x 5250W Redundant (3 + 3) Titanium Level (96%) power supplies
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Dimension (WxHxL)	106.5 x 82.1 x 245.3 mm
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Input	5250W: 200-240Vac / 50-60Hz
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+12V	Max: 125A / Min: 0A (200Vac-240Vac)
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12V SB	Max: 4A / Min: 0A
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Output Type	Backplanes (gold finger)
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Certification	 Titanium Level
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[Test Report]

Operating Environment



Software

- [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!](#)

Power configurations

- Power-on mode for AC power recovery
- ACPI Power Management

PC Health Monitoring

CPU

- Monitors for CPU Cores, Chipset Voltages, Memory
- 7 +1 Phase-switching voltage regulator

FAN

- Fans with tachometer monitoring
- Status monitor for speed control

Temperature

- Monitoring for CPU and chassis environment
- Thermal Control for fan connectors

Environmental Spec.

- Operating Temperature: 10°C to 35°C (50°F to 95°F)
- Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)
- Operating Relative Humidity: 8% to 90% (non-condensing)
- Non-operating Relative Humidity: 5% to 95% (non-condensing)

Resources

Prop 65 Warning

