Intel Xeon (X14) | 4U Rackmount | GPU Server

Supermicro SYS-422GL-FNR2

Intel Xeon (X14) · 4U Rackmount · GPU Server Server

Specifications reproduced from the official Supermicro product page, as of 17 Nov 2026. Taknet Systems (Thailand) is a Supermicro Authorized Distributor.



Form Factor	CPU
4U Rackmount	Intel® Xeon® 6900 series processors with P-cores
GPU	**Memory**
Up to 8 double-width GPUs	Max Memory (1DPC): 6.0TB 6400MT/s ECC DDR5 RDIMM

Key Features

- Dual Socket BR (LGA-7529) Intel® Xeon® 6900 series processors with P-cores up to 500W with air cooling
- NVIDIA ConnectX®-8 PCIe switch board
- Support for up to 8 double-width PCIe GPU accelerator cards
- Up to 24 DIMMs supporting up to 6.0TB DDR5-6400 in 1DPC or 6.0TB DDR5-8800 in 1DPC
- 1 RJ45 1GBASE-T for BMC
- Up to 8 PCIe 6.0 x16 FH double-width + 2 PCIe 5.0 single-width x16 FHHL slots
- Up to 8 rear hot-swap E1.S NVMe drive bays
- 4 Redundant 3200W Titanium Level power supplies

Form Factor	4U Rackmount
Platform	Intel Xeon (X14)
CPU	Dual Socket BR (LGA-7529) Intel® Xeon® 6900 series processors with P-cores
Max GPU Count	Up to 8 double-width GPUs
Supported GPU	NVIDIA PCIe: H200 NVL (141GB), NVIDIA RTX PRO™ 4500 Blackwell Server Edition, NVIDIA RTX PRO™ 6000 Blackwell Server Edition
Memory	Slot Count: 24 DIMM slots Max Memory (1DPC): 6.0TB 6400MT/s ECC DDR5 RDIMM
Drive Bays	Default: Total 8 bays8 rear hot-swap E1.S NVMe drive bays
Fans	10 Fan 80mm Fan(s)
Power Supply	4x 3200W Redundant (3 + 1) Titanium Level (96%) power supplies

Full Specifications — SYS-422GL-FNR2

Product SKUs

Part numbers	SYS-422GL-FNR2

Motherboard

Motherboard	Super X14DBG-MAP

Processor

CPU	Dual Socket BR (LGA-7529) Intel® Xeon® 6900 series processors with P-cores
Core Count	128C/256T
Note	Supports up to 500W TDP CPUs (Air Cooled)

GPU

Max GPU Count	Up to 8 double-width GPUs
Supported GPU	NVIDIA PCIe: H200 NVL (141GB), NVIDIA RTX PRO™ 4500 Blackwell Server Edition, NVIDIA RTX PRO™ 6000 Blackwell Server Edition View GPU Options
CPU-GPU Interconnect	PCIe 5.0 x16 Switch Dual-Root
GPU-GPU Interconnect	NVIDIA® NVLink™ Bridge (optional)

System Memory

Memory	Slot Count: 24 DIMM slots Max Memory (1DPC): 6.0TB 6400MT/s ECC DDR5 RDIMM Max Memory (1DPC): 6.0TB 8800MT/s ECC DDR5 MRDIMM View Memory Options
Memory Voltage	1.1V

On-Board Devices

Network Connectivity	1 RJ45 1GBASE-T with ASPEED AST2600 8 QSFP 400GbE with NVIDIA ConnectX®-8 SuperNIC View AOC Options

Input / Output

USB	1 USB 3.0 Type-A port (Rear)
Video	1 mini-DP port
TPM	1 TPM header

System BIOS

BIOS Type	AMI 32MB UEFI

Management

Software	SuperCloud Composer® (SCC) Supermicro Server Manager (SSM) 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

Security

Hardware	Trusted Platform Module (TPM) 2.0 Silicon Root of Trust (RoT) – NIST 800-193 Compliant
Features	Cryptographically Signed Firmware Secure Boot Secure Firmware Updates Automatic Firmware Recovery Supply Chain Security: Remote Attestation Runtime BMC Protections System Lockdown

Certifications

Operating Systems	RHEL 10.0 View all OS Compatibility and Certification Matrix

Chassis

Form Factor	4U Rackmount
Model	CSE-MG401TS-R0BNDFP

Dimensions and Weight

Height	6.93" (176 mm)
Width	17.26" (438.4 mm)
Depth	31.5" (800 mm)
Package	27.32" (H) x 49.41" (W) x 19.49" (D)
Weight	Gross Weight: 96.45 lbs (43.75 kg) Net Weight: 49.5 lbs (22.45 kg)
Available Color	Silver

Front Panel

Buttons	Power On/Off button

Expansion Slots

PCI-Express (PCIe) Configuration	Default8 PCIe 6.0 x16 FH double-width slots 2 PCIe 5.0 x16 FHHL slots View AOC Options

Drive Bays / Storage

Drive Bays Configuration	Default: Total 8 bays8 rear hot-swap E1.S NVMe drive bays View NVMe Options
M.2	2 M.2 PCIe 4.0 x4 NVMe slots (M-key 2280(default)) View M.2 Options

System Cooling

Fans	10 Fan 80mm Fan(s)

Power Supply

4x 3200W Redundant (3 + 1) Titanium Level (96%) power supplies

Dimension (WxHxL)	73.5 x 40 x 185 mm
Input	1000W: 100-127Vac / 50-60Hz 2900W: 200-207Vac / 50-60Hz 3000W: 207-220Vac / 50-60Hz 3200W: 220-240Vac / 50-60Hz 3200W: 0240Vdc / 50-60Hz (for CQC only)
+12V	Max: 82A / Min: 0A (100Vac-127Vac) Max: 237.7A / Min: 0A (200Vac-207Vac) Max: 245.9A / Min: 0A (207Vac-220Vac) Max: 262.3A / Min: 0A (220Vac-240Vac)
12V SB	Max: 3A / Min: 0A
Output Type	Backplanes (gold finger)

Operating Environment

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)