

AI & GPU server catalogue

Ma Labs published platforms Model numbers, configurations and technical specifications

18 model entries covering the AI solutions page, GPU recommendations, AI-focused Gold Series G2 systems and listed Gold Series G1 GPU platforms.

Scope: This catalogue consolidates all models explicitly identified on the reviewed AI and GPU solution pages, plus the AI-focused platforms found in the reviewed Supermicro listings. It is not a complete export of every Ma Labs inventory SKU. General-purpose servers capable of running some AI software are outside this selection.

Reading the specifications: Ma Labs configured components and manufacturer platform limits are separated. All technical fields published in the reviewed model summaries are retained. Fields absent from those summaries are not fabricated; a full ordering specification requires the final bill of materials.

Prepared under the Tancell brand. Manufacturer names and model numbers are retained for accurate product identification. Product photographs belong to their respective owners. Availability and commercial terms are not included.

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AI SURVEILLANCE

GIGABYTE R263-S33-AAF1



PUBLISHED CONFIGURATION / SPECIFICATIONS

- Intel XEON GOLD 5420 CPU
- PNY RTX 4500 GPU
- Samsung 16GB RAM

MANUFACTURER PLATFORM CAPABILITIES

- 2U, single-socket 5th/4th Gen Intel Xeon Scalable platform
- 16 DDR5 RDIMM slots; up to 5600 MT/s at 1DPC / 4400 MT/s at 2DPC
- Support for 3 PCIe Gen5 GPUs; 1+1 2400 W 80 PLUS Platinum redundant PSUs

Ma Labs highlighted configuration. CPU count is stated only where published; barebone support is not the same as installed components.

Sources · accessed 29 September 2026

[Ma Labs listing / configuration](#)

[Manufacturer platform specification](#)

AI TRAINING

GIGABYTE G593-SD1-AAX3



PUBLISHED CONFIGURATION / SPECIFICATIONS

- Dual Intel Xeon Platinum 8468 Processor CPU
- Nvidia 8 X H200 SXM5 GPU
- 32pcs of Samsung DDR5 32GB RAM

MANUFACTURER PLATFORM CAPABILITIES

- 5U, dual-socket 5th/4th Gen Intel Xeon Scalable platform
- NVIDIA HGX H200 platform; eight SXM5 accelerators

Ma Labs highlighted configuration. CPU count is stated only where published; barebone support is not the same as installed components.

Sources · accessed 29 September 2026

[Ma Labs listing / configuration](#)

[Manufacturer platform specification](#)

HPC AND DEEP LEARNING

TYAN TN85B8261



PUBLISHED CONFIGURATION / SPECIFICATIONS

- 2S AMD Turin / Genoa / Bergamo / Genoa X CPU
- Supports up to four dual-slot GPU cards
- 24 DIMM slots with DDR5 6000 memory support

Ma Labs highlighted configuration. CPU count is stated only where published; barebone support is not the same as installed components.

Sources · accessed 29 September 2026

[Ma Labs listing / configuration](#)

GPU SERVER / AI ACCELERATION

ASUS 4U ESC8000A-E12P-3W10G



PUBLISHED CONFIGURATION / SPECIFICATIONS

- 2+2 Redundant 3000W 80 PLUS Titanium RPSU
- CPU: AMD EPYC 9534
- Memory: 16 x Kingston 64GB DDR5 5600Mhz
- Storage: 1 x Samsung PM1743 7.68Tb U.2 NVME
- GPU: PNY NVIDIA Quadro RTX 5000 32 GB GDDR6
- Warranty: 3YR-LABOR, 3YR-PART(CPU - 1YR), 1YR-CROSS SHIP

MANUFACTURER PLATFORM CAPABILITIES

- 4U; 2 x SP5 sockets for AMD EPYC 9004
- 24 DIMM slots; up to 3 TB per CPU socket (platform specification)
- Up to 8 dual-slot GPU cards and 13 PCIe 5.0 slots
- Up to 8 NVMe drives; OCP 3.0; ASMB11-iKVM
- Up to four 3000 W 80 PLUS Titanium PSUs

Configured example published by Ma Labs. Memory clock, GPU count and power depend on the final bill of materials and platform qualification.

Sources · accessed 29 September 2026

[Ma Labs listing / configuration](#)

[Manufacturer platform specification](#)

GPU SERVER / AI ACCELERATION

Gigabyte 4U G494-ZB4-AAP2



PUBLISHED CONFIGURATION / SPECIFICATIONS

- 4x3000W 80 PLUS Titanium RPSU
- Dual CPU: AMD EPYC 9334
- Memory: 24 x Micron 32GB DDR5 SDRAM 5600 MHz
- Storage: 2x Samsung PM1743 15.36TB 2.5" U.2
- GPU: 4x PNY NVIDIA RTX PRO 6000 96GB GDDR7
- Warranty: 3YR-LABOR, 3YR-PART(CPU-1YR), 1YR-CROSS SHIP

Configured example published by Ma Labs. Memory clock, GPU count and power depend on the final bill of materials and platform qualification.

Sources · accessed 29 September 2026

[Ma Labs listing / configuration](#)

GPU SERVER / AI ACCELERATION

Gigabyte GPU Server G292-280 (REV.100)



PUBLISHED CONFIGURATION / SPECIFICATIONS

- Dual CPU: Intel XEON SILVER 4310
- Memory: 4x Micron 32GB DDR4 RDIMM
- Storage: 2 x Micron 7450 PRO 1.92TB U.3 NVME
- GPU: 4x NVIDIA Quadro RTX A2000, 12GB GDDR6
- Warranty: 3YR-LABOR, 3YR-PART(CPU-1YR), 1YR-CROSS SHIP

Configured example published by Ma Labs. Memory clock, GPU count and power depend on the final bill of materials and platform qualification.

Sources · accessed 29 September 2026

[Ma Labs listing / configuration](#)

IN-MEMORY DATABASE FOR AI INFERENCE

Supermicro SYS-112H-TN-01-G2

MA LABS SKU: 57098|G2-112HTN1



PUBLISHED CONFIGURATION / SPECIFICATIONS

- 64 cores @ 2.5GHz (1x Intel 6761P)
- 1TB memory (@6400MT/s)
- 2x 3.8TB U.2 NVMe
- 2-port 25GbE
- Redundant 1600W Titanium Level PSU

Gold Series G2 configuration as published. Installed components are listed here; maximum platform capabilities can differ.

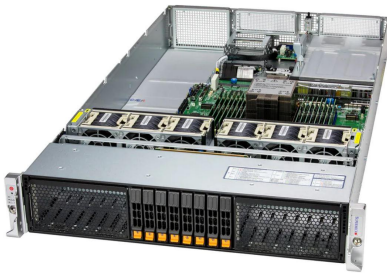
Sources · accessed 29 September 2026

[Ma Labs listing / configuration](#)

IN-MEMORY DATABASE FOR AI INFERENCE

Supermicro SYS-212H-TN-01-G2

MA LABS SKU: 57098|G2-212HTN1



PUBLISHED CONFIGURATION / SPECIFICATIONS

- 64 cores @ 2.5GHz (1x Intel 6761P)
- 1TB memory (@6400MT/s)
- 2x 3.8TB U.2 NVMe
- 2-port 25GbE
- Redundant 2000W Titanium Level PSU

Gold Series G2 configuration as published. Installed components are listed here; maximum platform capabilities can differ.

Sources · accessed 29 September 2026

[Ma Labs listing / configuration](#)

IN-MEMORY DATABASE FOR AI INFERENCING

Supermicro AS-2115HS-TNR-01-G2

MA LABS SKU: 57098|G2-2115HS1



PUBLISHED CONFIGURATION / SPECIFICATIONS

- 96 cores @ 2.6GHz (1x AMD 9655P)
- 1.5TB memory (@4000MT/s)
- 2x 7.6TB U.2 NVMe
- 2-port 200GbE/NDR200 (NVIDIA B3220 DPU)
- Redundant 1600W Titanium Level PSU

Gold Series G2 configuration as published. Installed components are listed here; maximum platform capabilities can differ.

Sources · accessed 29 September 2026

[Ma Labs listing / configuration](#)

SAAS - AGENT FLOW AI INFERENCE

Supermicro SYS-212GB-FNR-01-G2

MA LABS SKU: Not assigned on the published page



PUBLISHED CONFIGURATION / SPECIFICATIONS

- 2x NVIDIA RTX PRO 6000 Blackwell SE
- 32 cores @ 2.5GHz (1x Intel 6731P)
- 512GB memory (@6400MT/s)
- 2x 3.8TB E1.S NVMe
- 2-port 10GbE
- Redundant 2700W Titanium Level PSU

Gold Series G2 configuration as published. Installed components are listed here; maximum platform capabilities can differ.

Sources · accessed 29 September 2026

[Ma Labs listing / configuration](#)

PAAS - AGENT FLOW AI INFERENCE

Supermicro SYS-422GA-NRT-01-G2

MA LABS SKU: 57098|G2-422GANR



PUBLISHED CONFIGURATION / SPECIFICATIONS

- 4x NVIDIA RTX PRO 6000 Blackwell SE
- 144 cores @ 2.7GHz (2x Intel 6960P)
- 1TB memory (@6400MT/s)
- 2x 3.8TB U.2 NVMe
- 2-port 10GbE
- Redundant 3200W Titanium Level PSU

Gold Series G2 configuration as published. Installed components are listed here; maximum platform capabilities can differ.

Sources · accessed 29 September 2026

[Ma Labs listing / configuration](#)

EDGE AI / JETSON PLATFORM

Supermicro ARS-E103-JONX-H2-01-G2

MA LABS SKU: 57098|G2-E103JON



PUBLISHED CONFIGURATION / SPECIFICATIONS

- Jetson Orin NX, 1024-Core GPU, 157 TOPS
- Arm Cortex A78AE v8.2, 8C
- 16GB ECC LPDDR5X, 256GB NVMe M.2
- 4x GbE LAN, 1x 10GbE RJ45
- DC 9-36V, 2-pin terminal block

Gold Series G2 configuration as published. Installed components are listed here; maximum platform capabilities can differ.

Sources · accessed 29 September 2026

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GPU / AI TRAINING PLATFORM

Supermicro AS-4125GS-TNRT-G1

MA LABS SKU: GD-4125GST

PUBLISHED CONFIGURATION / SPECIFICATIONS

- Form factor: 4U
- CPU platform: Dual-processor AMD platform
- GPU support: Up to 8 directly connected PCIe GPUs
- GPU model and installed quantity depend on configuration.

The listing does not publish the exact installed CPU, RAM, storage, network or PSU configuration. These cannot be inferred from the G1 suffix.

Sources · accessed 29 September 2026

[Ma Labs listing / configuration](#)

GPU / AI TRAINING PLATFORM

Supermicro SYS-421GE-TNHR2-LCC-G1

MA LABS SKU: GD-421GETN

PUBLISHED CONFIGURATION / SPECIFICATIONS

- Form factor: 4U
- CPU platform: Dual-processor Intel platform
- GPU support: NVIDIA HGX H100/H200, 8 GPUs
- Liquid cooling; Ma Labs states that onsite service is required.

The listing does not publish the exact installed CPU, RAM, storage, network or PSU configuration. These cannot be inferred from the G1 suffix.

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GPU / AI TRAINING PLATFORM

Supermicro SYS-521GE-TNRT-G1

MA LABS SKU: GD-521GE

PUBLISHED CONFIGURATION / SPECIFICATIONS

- Form factor: 5U
- CPU platform: Dual-processor Intel platform
- GPU support: Up to 10 GPUs
- Dual-root PCIe design; extended thermal capacity.

The listing does not publish the exact installed CPU, RAM, storage, network or PSU configuration. These cannot be inferred from the G1 suffix.

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GPU / AI TRAINING PLATFORM

Supermicro AS-8125GS-TNMR2-G1

MA LABS SKU: GD-8125GSM

PUBLISHED CONFIGURATION / SPECIFICATIONS

- Form factor: 8U
- CPU platform: Dual-processor AMD platform
- GPU support: AMD Instinct MI300X, 8 GPUs
- Preconfigured Gold Series version.

The listing does not publish the exact installed CPU, RAM, storage, network or PSU configuration. These cannot be inferred from the G1 suffix.

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GPU / AI TRAINING PLATFORM

Supermicro AS-8125GS-TNHR-G1

MA LABS SKU: GD-8125GST

PUBLISHED CONFIGURATION / SPECIFICATIONS

- Form factor: 8U
- CPU platform: Dual-processor AMD platform
- GPU support: NVIDIA HGX H100/H200, 8 GPUs
- Preconfigured Gold Series version.

The listing does not publish the exact installed CPU, RAM, storage, network or PSU configuration. These cannot be inferred from the G1 suffix.

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GPU / AI TRAINING PLATFORM

Supermicro SYS-821GE-TNHR-G1

MA LABS SKU: GD-821GETN

PUBLISHED CONFIGURATION / SPECIFICATIONS

- Form factor: 8U
- CPU platform: Dual-processor Intel platform
- GPU support: NVIDIA HGX H100/H200, 8 GPUs
- Rear I/O; preconfigured Gold Series version.

The listing does not publish the exact installed CPU, RAM, storage, network or PSU configuration. These cannot be inferred from the G1 suffix.

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