

TECHNICAL DATASHEET

SUPERMICRO · RACKMOUNT SERVERS

Supermicro Mainstream A+ Server AS-1015A-MT

1U UP Mainstream with up to 4 internal 2.5" SATA bays and 1 PCIe 5.0 slot

SKU AS-1015A-MT

1U

AM5

Supermicro



FORM FACTOR

1U

MAX POWER (BASE)

306 W

HEAT OUTPUT

1,044 BTU/h

PRICE

from €2,540

CONFIGURE & QUOTE ONLINE

serverinvest.com/product/as-1015a-mt

01 Product overview

The Supermicro AS-1015A-MT is a 1U Mainstream Server built on AMD EPYC 4004/4005 with up to 192 GB of memory in 4 DIMM slots.

1U UP Mainstream with up to 4 internal 2.5" SATA bays and 1 PCIe 5.0 slot.

The chassis accepts up to 1 GPU accelerators for AI, rendering and HPC workloads.

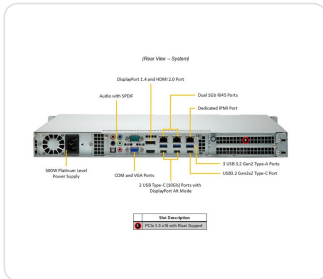
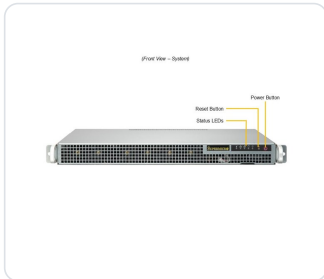
ServerInvest configures every Gold Series AS -1015A-MT to order, updates BIOS and BMC firmware, installs your operating system on request and runs a 48-hour burn-in test before delivery. Every system includes a 3-year warranty.

HIGHLIGHTS

- AMD EPYC 4004/4005
- Up to 192 GB memory · 4 DIMM slots
- Total 1 bay 1 internal fixed 3.5" SATA drive bay
- Up to 1 GPUs
- Power: 1x 500W
- Networking: 1 RJ45 1GbE with Realtek RTL8211F PHY (dedicated IPMI)

KEY SPECIFICATIONS

Form factor	1U
Processor	AMD EPYC 4004
Socket	AM5
Memory	4 DIMM slots, up to 192 GB
Drive bays	4
GPU	Up to 1 GPUs
Power supply	1× 500 W
Typical power draw	490 W
Networking	1 RJ45 1GbE with Realtek RTL8211F PHY (dedicated IPMI)
Dimensions (W×H×D)	437 × 44 mm



02 Base configuration

Components included in the listed base price — every part can be changed in the online configurator

COMPONENT	DESCRIPTION	QTY
Base system	Supermicro Mainstream A+ Server AS-1015A-MT	1
Memory	16GB 5600MT/s DDR5 ECC Registered DIMM Module	2
Warranty & support	3-year return-to-base warranty (included)	1

Base configuration from

€2,540
excl. VAT

03 Power & thermal

Calculated for the base configuration

IDLE	TYPICAL	MAXIMUM	HEAT (MAX)	COOLING	PSU LOAD
73 W	190 W	306 W	1,044 BTU/h	0.3 kW	61%

Typical 190 W · max 306 W · single PSU rating 500 W

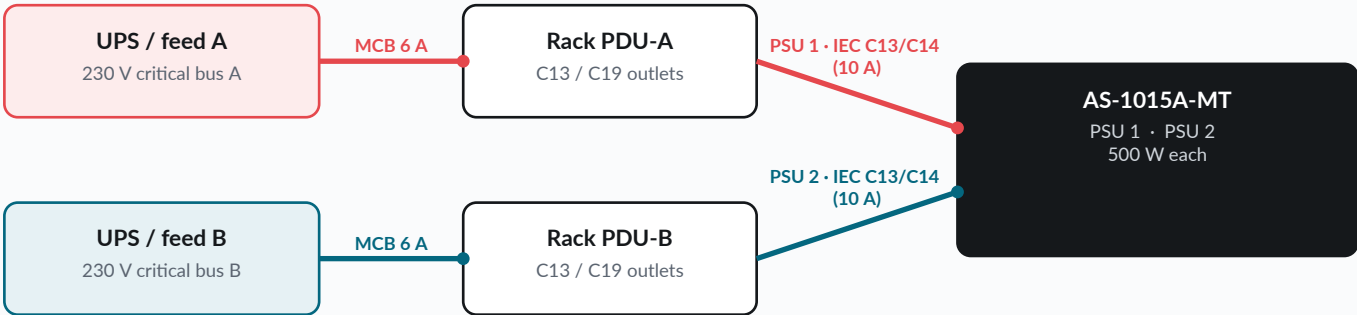
Annual IT energy (24/7)	1,357 kWh
Annual facility energy (PUE 1.5)	2,036 kWh
Annual energy cost	€271 IT · €407 incl. cooling (at 0.20 €/kWh)
CO ₂ emissions / year	0.53 t (grid factor 0.26 kg/kWh)
Power supplies	1× 500 W

POWER BY COMPONENT	IDLE	TYPICAL	MAX
Chassis, motherboard, fans, BMC	38 W	59 W	85 W
2× Memory 16 GB DIMM	6 W	10 W	18 W
CPU (base configuration)	25 W	110 W	185 W

DC loads converted to wall power at 94% PSU efficiency; typical load assumed 70% of the time. Engineering estimates — confirm with the manufacturer's power calculator for critical designs.

04 Power connection diagram

Dual-feed (A/B) connection for redundant power supplies



- Connect PSU 1 to PDU-A and PSU 2 to PDU-B (independent feeds) using IEC C13/C14 (10 A) power cords.
- Maximum current per feed: 1.4 A at 230 V — each feed must be able to carry the full load if the other fails.
- Recommended protection per PDU circuit: MCB 6 A, curve C; RCD according to local regulations.
- Heat to remove at full load: 306 W = 1,044 BTU/h (0.3 kW).

05 Full specifications

MOTHERBOARD	
	Super H13SAE-MF
PROCESSOR	
CPU	Single processor(s) AMD EPYC 4004 / 4005 or AMD Ryzen 7000 / 9000 Series Processors
Core Count	Up to 16C/32T

Note Supports 60W - 170W TDP CPUs (Air Cooled)

GPU

Max GPU Count	Up to 1 single-width GPU
Supported GPU	NVIDIA PCIe: A2, L4, NVIDIA RTX PRO 4500 Blackwell Server Edition, RTX 4000 Ada Generation, RTX A4000 AMD PCIe: Radeon Pro W7500 View GPU Options
CPU-GPU Interconnect	PCIe 5.0 x16 CPU-to-GPU Interconnect

SYSTEM MEMORY

Memory	Slot Count: 4 DIMM slots Max Memory (2DPC): Up to 192GB 5200MT/s ECC/non-ECC DDR5 UDIMM View Memory Options
Memory Voltage	1.1V

ON-BOARD DEVICES

SATA	SATA (6Gbps) ; RAID 0/1 support
NVMe	NVMe; RAID 0/1 support(Native)
Chipset	AMD B650
Network Connectivity	1 RJ45 1GbE with Realtek RTL8211F PHY (dedicated IPMI) 2 RJ45 1GbE with Intel I210-AT View AOC Options

INPUT / OUTPUT

LAN	1 RJ45 1 GbE Dedicated BMC LAN port
USB	3 Type-A ports (Rear) 2 Type-C ports (Rear) 1 Type-C port (Rear)
Video	1 VGA port 1 DisplayPort 1.4 port 1 port(s) supporting 4K@60Hz as specified in HDMI 2 (Rear)
Audio	Rear Audio
TPM	1 TPM header

SYSTEM BIOS

BIOS Type	AMI 32MB SPI Flash
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MANAGEMENT

Software	SuperCloud Composer (SCC) 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	ACPI 6.0 Power Management

SECURITY

Hardware	Trusted Platform Module (TPM) 2.0 Silicon Root of Trust (RoT) – NIST 800-193 Compliant
Features	Supply Chain Security: Remote Attestation Runtime BMC Protections

PC HEALTH MONITORING

Fan	Status monitor for speed control
Other Features	8-pin 12v DC power connector, ACPI power management, ATX Power connector, Chassis intrusion header, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor
Temperature	CPU thermal trip support, Monitoring for CPU and chassis environment, PECI
Voltage	+1.0V PCH, +1.8V PCH, +12V, +3.3V, +5V, +5V standby, 1.05 (PCH), 3.3V standby, 5 (4-pin), CPU, CPU temperature, CPU thermal trip support, PCH temperature, System temperature, VBAT, VRM

CERTIFICATIONS

Operating Systems	Grado: Windows Server 2025 Raphael: Windows Server 2022, Windows Server 2025 Ryzen: RHEL 9.3, Windows 11, Windows Server 2022 View all OS Compatibility and Certification Matrix
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CHASSIS

Form Factor	1U
Model	CSE-514-505

DIMENSIONS AND WEIGHT

Height	1.7" (43 mm)
Width	17.2" (437 mm)
Depth	16.9" (429 mm)
Package	8" (H) x 27" (W) x 24" (D)
Weight	Gross Weight: 16 lbs (7.26 kg)
Available Color	Silver

FRONT PANEL

Buttons	Power On/Off button System Reset button
LED	Fan Fail/System Over Heat LED HDD activity LED Network Activity LEDs Power status LED

EXPANSION SLOTS

PCI-Express (PCIe) Configuration	Default 1 PCIe 5.0 x16 FHHL slot View AOC Options
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DRIVE BAYS / STORAGE

Drive Bays Configuration	Default: Total 1 bay 1 internal fixed 3.5" SATA drive bay Option A: Total 4 bays 4 internal fixed 2.5" SATA* drive bays (*SATA support may require additional storage controller and/or cables, please see the optional parts list for details) View Drive Options
M.2	2 M.2 PCIe 5.0 x4 NVMe slots (M-key 2280/22110) View M.2 Options

SYSTEM COOLING

Fans	Up to 6x 40mm Fan(s)
Air Shroud	1 Air Shroud

POWER SUPPLY

1x 500W
1x 500W Platinum Level (93%) power supply
Dimension (WxHxL)
100 x 40 x 180 mm

OPERATING ENVIRONMENT

RoHS	RoHS Compliant
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)

06 Built, tested & supported by ServerInvest

Engineered configuration

Every option validated for socket, memory channels, PCIe lanes, power and cooling.

48-hour burn-in

Assembled, firmware-updated and stress-tested before it leaves our workshop.

3-year warranty

Standard on every system, with on-site next-business-day upgrades available.

Rack-ready delivery

Rails, cable management and labelling included — delivered across Europe.



Ready to order or need changes?

Configure this system online or talk to a solutions engineer — we reply within one business day.

office@serverinvest.com

Official manufacturer datasheet: serverinvest.com/product/as-1015a-mt/datasheet/manufacture

