

TECHNICAL DATASHEET

SUPERMICRO · TOWER SERVERS & WORKSTATIONS

Supermicro Mid-Tower Mainstream Server AS-3014TS-I

UP mid-tower workstation for entry-level and office applications

SKU AS-3014TS-I

Tower

Supermicro



FORM FACTOR

Tower

MAX POWER (BASE)

306 W

HEAT OUTPUT

1,044 BTU/h

PRICE

On request

REQUEST A QUOTATION ONLINE

serverinvest.com/product/as-3014ts-i

01 Product overview

The Supermicro AS-3014TS-i is a Mid-Tower Mainstream Server built on Single Socket SP3 AMD EPYC 7002/7003 Series Processors with up to 2 TB of memory in 8 DIMM slots.

UP mid-tower workstation for entry-level and office applications.

ServerInvest configures every AS -3014TS-i 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

- Single Socket SP3 AMD EPYC 7002/7003 Series Processors
- Up to 2 TB memory · 8 DIMM slots
- Total 8 bays 4 internal fixed 3.5" SATA drive bays
- Power: 1x 900W
- Networking: 2 RJ45 1GbE

KEY SPECIFICATIONS

Form factor	Tower
Processor	Single Socket SP3 AMD EPYC 7002/7003 Series Processors
Memory	8 DIMM slots, up to 2 TB
Drive bays	12
Power supply	1× 900 W
Typical power draw	450 W
Networking	2 RJ45 1GbE



02 Power & thermal

Calculated for the base configuration

IDLE 73 W	TYPICAL 190 W	MAXIMUM 306 W	HEAT (MAX) 1,044 BTU/h	COOLING 0.3 kW	PSU LOAD 34%
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Typical 190 W · max 306 W · single PSU rating 900 W

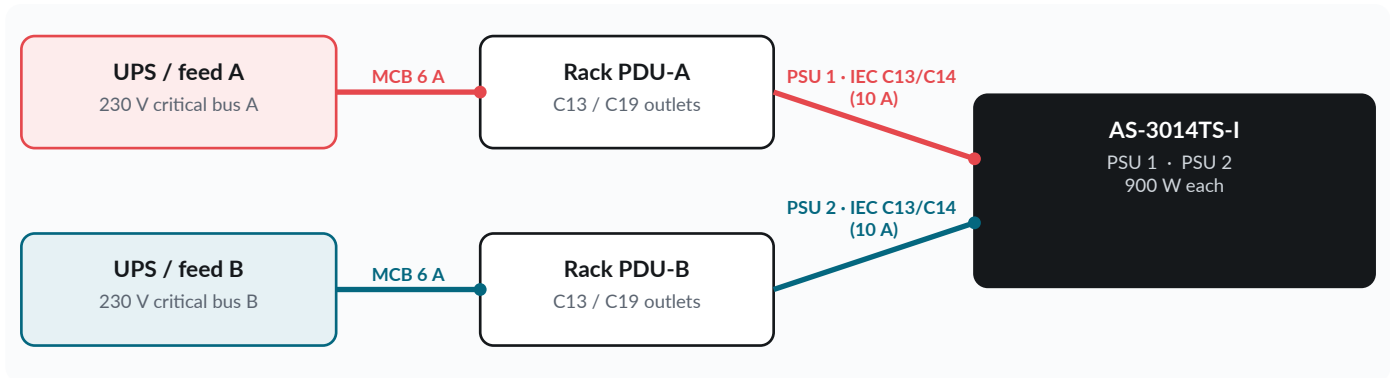
Annual IT energy (24/7)	1,357 kWh
Annual facility energy (PUE 1.5)	2,036 kWh
Annual energy cost	€271 IT · €407 incl. cooling (at 0.20 €/kWh)
CO ₂ emissions / year	0.53 t (grid factor 0.26 kg/kWh)
Power supplies	1× 900 W

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

03 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).

04 Full specifications

MOTHERBOARD

Super H12SSL-i

PROCESSOR

CPU	Single Socket SP3 AMD EPYC 7002/7003 Series Processors
Note	Supports up to 280W TDP CPUs (Air Cooled)

SYSTEM MEMORY

Memory	Slot Count: 8 DIMM slots Max Memory (1DPC): Up to 2TB 3200MT/s ECC DDR4 RDIMM/LRDIMM View Memory Options
Memory Voltage	1.2V

ON-BOARD DEVICES

SATA	SATA (6Gbps)
Network Connectivity	2 RJ45 1GbE View AOC Options
IPMI	Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

INPUT / OUTPUT

LAN	1 RJ45 1 GbE Dedicated BMC LAN port
USB	6 USB 3.0 ports (Rear)
Video	1 VGA port
Serial	1 COM port (Rear)

DOM	1 Super DOM (Disk on Module) port
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SYSTEM BIOS

BIOS Type	AMI 256MB SPI Flash EEPROM
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MANAGEMENT

Software	Supermicro Update Manager (SUM) Supermicro SuperDoctor 5 (SD5) KVM with dedicated LAN IPMI 2.0 Watch Dog NMI
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Power configurations	ACPI/APM Power Management
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SECURITY

Hardware	Trusted Platform Module (TPM) 2.0 Silicon Root of Trust (RoT) – NIST 800-193 Compliant
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Features	Cryptographically Signed Firmware Secure Boot Secure Firmware Updates Automatic Firmware Recovery System Lockdown
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PC HEALTH MONITORING

CPU	4+1 Phase-switching voltage regulator Monitors for CPU Cores, Chipset Voltages, Memory.
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Fan	Fans with tachometer monitoring Pulse Width Modulated (PWM) fan connectors Status monitor for speed control
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Temperature	Monitoring for CPU and chassis environment Thermal Control for fan connectors
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CERTIFICATIONS

Operating Systems	Milan: Oracle Linux 8.3, RHEL 8.3, Windows Server 2019, Windows Server 2022 View all OS Compatibility and Certification Matrix
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CHASSIS

Form Factor	Mid-Tower
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Model	CSE-732i-903B
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DIMENSIONS AND WEIGHT

Height	16.7" (424 mm)
Width	7.6" (193 mm)
Depth	20.68" (525 mm)
Package	11.97" (H) x 21.38" (W) x 25.28" (D)
Weight	Gross Weight: 27 lbs (12.25 kg) Net Weight: 27 lbs (12.25 kg)
Available Color	Black

EXPANSION SLOTS

PCI-Express (PCIe) Configuration	Default 5 PCIe 4.0 x16 FH slots 2 PCIe 4.0 x8 FH slots View AOC Options
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DRIVE BAYS / STORAGE

Drive Bays Configuration	Default: Total 8 bays 4 internal fixed 3.5" SATA drive bays 4 internal fixed 2.5" SATA drive bays View Drive Options
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SYSTEM COOLING

Fans	Up to 1 heavy duty fans with optimal fan speed control
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POWER SUPPLY

1x 900W
1x 900W Gold Level (90%) power supply
Dimension (WxHxL)
150 x 86 x 190 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)

05 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.



Interested in this solution?

Request a quotation online or talk to a solutions engineer — we reply within one business day.
office@serverinvest.com

Official manufacturer datasheet: serverinvest.com/product/as-3014ts-i/datasheet/manufacture

