

TECHNICAL DATASHEET

SUPERMICRO · RACKMOUNT SERVERS

Supermicro Hyper A+ Server AS-1125HS-TNR

1U · AMD EPYC 9004 · 12x 2.5" hot-swap hybrid NVMe/SATA/SAS bays · up to 3.1 TB RAM

SKU AS-1125HS-TNR

1U

SP5

Supermicro



Slot	Description
0 - 11	2.5" Hot-Swap NVMe/SAS/SATA Drive Bays*

*NVMe/SAS/SATA support requires additional parts in optional parts list

FORM FACTOR

1U

MAX POWER (BASE)

554 W

HEAT OUTPUT

1,890 BTU/h

PRICE

from €10,790


CONFIGURE & QUOTE ONLINE

serverinvest.com/product/as-1125hs-tnr


01 Product overview

The Supermicro Hyper A+ Server AS-1125HS-TNR is a 1U dual-socket platform built on AMD EPYC 9004, supporting up to 3.1 TB of DDR5 memory.

It is designed for virtualisation, AI, machine learning, cloud computing, enterprise server.

Storage is provided by 12x 2.5" hot-swap hybrid NVMe/SATA/SAS drive bays.

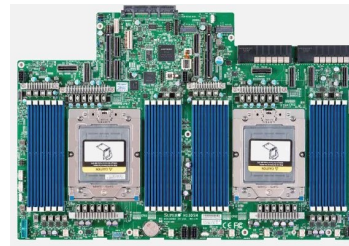
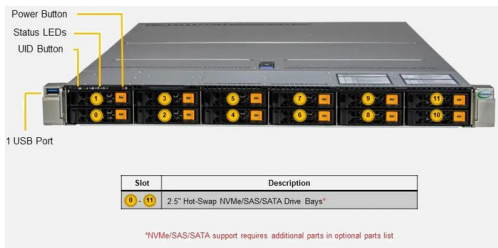
Every ServerInvest build is assembled to order, updated to the latest firmware and burn-in tested before shipping, and comes with a 3-year warranty.

KEY SPECIFICATIONS

Form factor	1U
Processor	2× AMD EPYC 9004
Socket	SP5
Memory	12 DIMM slots, up to 3.1 TB
Memory type	DDR5-5600 ECC RDIMM
Drive bays	12 (12 NVMe)
Typical power draw	790 W
Dimensions (W×H×D)	437 × 44 mm

HIGHLIGHTS

- Dual AMD EPYC 9004
- Up to 3.1 TB DDR5 memory in 12 DIMM slots
- 12x 2.5" hot-swap hybrid NVMe/SATA/SAS drive bays



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 Hyper A+ Server AS-1125HS-TNR	1
Processor	AMD EPYC 9124 - 16 Cores, 3.00/3.70GHz, 64MB Cache (200 Watt)	2
Memory	16GB 5600MT/s DDR5 ECC Registered DIMM Module	4
Warranty & support	3-year return-to-base warranty (included)	1

Base configuration from

€10,790
excl. VAT

03 Power & thermal

Calculated for the base configuration

IDLE	TYPICAL	MAXIMUM	HEAT (MAX)	COOLING	PSU LOAD
117 W	361 W	554 W	1,890 BTU/h	0.6 kW	—

Typical 361 W · max 554 W

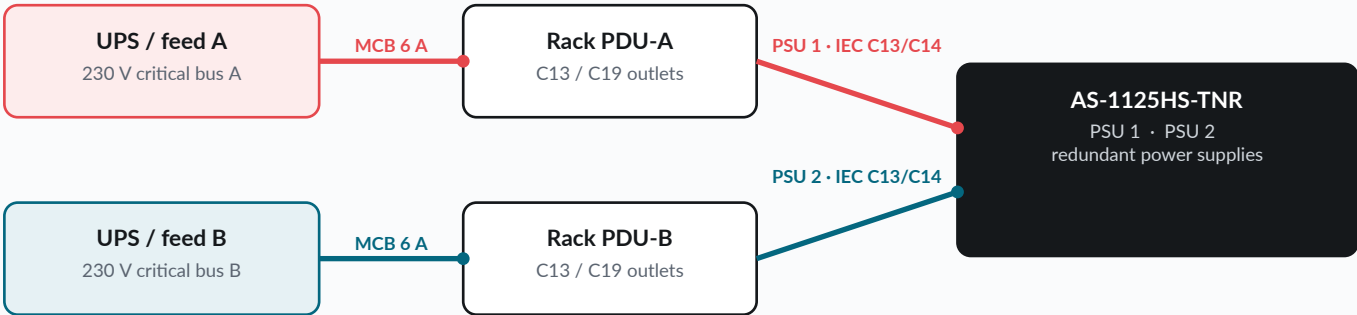
Annual IT energy (24/7)	2,521 kWh
Annual facility energy (PUE 1.5)	3,782 kWh
Annual energy cost	€504 IT · €756 incl. cooling (at 0.20 €/kWh)
CO ₂ emissions / year	0.98 t (grid factor 0.26 kg/kWh)
Power supplies	Redundant hot-swap PSUs — rating depends on the final configuration

POWER BY COMPONENT	IDLE	TYPICAL	MAX
Chassis, motherboard, fans, BMC	38 W	59 W	85 W
2× CPU — AMD EPYC 9124 - 16 Cores	60 W	260 W	400 W
4× Memory 16 GB DIMM	12 W	20 W	36 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 power cords.
- Maximum current per feed: 2.5 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: 554 W = 1,890 BTU/h (0.6 kW).

05 Full specifications

PROCESSOR & MEMORY	
Processor family	AMD EPYC 9004
Sockets	2
Socket	SP5
Max memory	3.1 TB
Memory type	DDR5-5600 ECC RDIMM

STORAGE

Drive bays	12x 2.5" hot-swap hybrid NVMe/SATA/SAS drive bays
Drive size	2.5" Drives
Bay type	Hot-Swap Drives

CHASSIS & POWER

Form factor	1U
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OPTIMISED FOR

Workload 1	Virtualisation
Workload 2	AI
Workload 3	Machine Learning
Workload 4	Cloud Computing
Workload 5	Enterprise Server

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-1125hs-tnr/datasheet/manufacture

