AMD EPYC (H15) | Server

Supermicro SBA-817V7-1N

AMD EPYC (H15) Server

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

CPU	GPU
AMD EPYC™ 9006 SP7 Series Processor	**Up to 1 double-width or 2 single-width GPUs**



Key Features

Platform	AMD EPYC (H15)
CPU	Single Socket SP7 AMD EPYC™ 9006 SP7 Series Processor
Max GPU Count	Up to 1 double-width or 2 single-width GPUs
Drive Bays	Option A: 4 Hot-swap E1.S NVMe SSDs

Full Specifications — SBA-817V7-1N

Product SKUs

Part numbers	SuperBlade Sled SBA-817V7-1N Motherboard A+ Motherboard® MBD-BH15SPS-25G

Processor

CPU	Single Socket SP7 AMD EPYC™ 9006 SP7 Series Processor
Core Count	Up to 256C/512T
Note	Supports up to 600W TDP CPUs (Air Cooled/Liquid Cooled) * Certain CPUs with higher TDP may be supported under specific conditions. Please contact your Supermicro sales rep for more info.

GPU

Max GPU Count	Up to 1 double-width or 2 single-width GPUs

System Memory

Memory Capacity	16 DIMM slots Max Memory (1DPC): Up to 4TB 8000 MT/s ECC DDR5 RDIMM/3DS RDIMM Max Memory (1DPC): Up to 4TB 12,800 MT/s ECC DDR5 MRDIMM
Memory Voltage	1.1V

On-Board Devices

Chipset	System on Chip
Network Controllers	Onboard Dual 25G Ethernet
MGMT/Security	IPMI 2.0 KVM over IP Redfish API IPMI 2.0 TPM 2.0 Signed Firmware HW Root of Trust
Graphics	Aspeed AST2700 BMC

System BIOS

BIOS Type	256Mb SPI Flash EEPROM with AMI® BIOS
BIOS Features	BIOS Feature: ACPI 6.4 Plug and Play (PnP) SMBIOS 3.5 or later UEFI 2.8 USB Keyboard support

Dimensions

Height	13" (330.2mm)
Width	1.75" (44.45mm)
Depth	23.5" (596.9mm)
Weight	24.2 lbs (11.0 kg)
Available Colors	Silver Grey

Front Panel

Buttons	Power On/Off button
LEDs	Power LED Fault LED Network Activity LED UID / KVM LED

Expansion Slots

PCI-Express (PCIe) Configuration	Up to 4 PCIe Gen6 x16: 1x FHFL (Dual slot)* GPU + 2x Std low profile AOC 2x FHFL (Single slot) GPU + 2x Std low profile AOC 1x FHFL (Dual slot)* GPU + 2x Std low profile AOC 2x FHFL (Single slot) GPU + 2x Std low profile AOC

Drive Bays / Storage

Drive Bays Configuration	Option A: 4 Hot-swap E1.S NVMe SSDs Option B: 4 Hot-swap E3.S NVMe SSDs Option C: 2 Hot-swap U.2 NVMe SSDs Option D: 6 Hot-swap M.2 NVMe SSDs
M.2	2 M.2 NVMe drives (2280) (Optional RAID)

Input / Output

TPM	1 TPM Header

Operating Environment

RoHS	RoHS Compliant
Environmental Spec.	Operating Temperature: 10°C ~ 35°C (50°F ~ 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)

Electromagnetic Compatibility (EMC)

United States / Canada	FCC- Emissions (US) Verification

Europe	N55022 - Emissions
	EN55024 - Immunity
	EN61000-3-2 - Harmonics
	EN61000-3-3 - Voltage Flicker
	CE - EMC Directive 89/336/EEC