

TECHNICAL DATASHEET

SUPERMICRO · RACKMOUNT SERVERS

Supermicro Server SYS-E200-8D

SKU SYS-E200-8D

Compact

Supermicro



FORM FACTOR

Compact

MAX POWER (BASE)

306 W

HEAT OUTPUT

1,044 BTU/h

PRICE

On request



REQUEST A QUOTATION ONLINE

serverinvest.com/product/sys-e200-8d



01 Product overview

The Supermicro SYS-E200-8D is a server built on Intel Xeon D with up to 128 GB of memory.

ServerInvest configures every SYS-E200-8D 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

- Intel Xeon D
- Up to 128 GB memory
- 2.5" fixed drive bay with bracket (Design for 9.5mm thickness HDD with Low Profile Memory)
- Networking: Dual LAN via Intel i350-AM2 Gigabit Ethernet

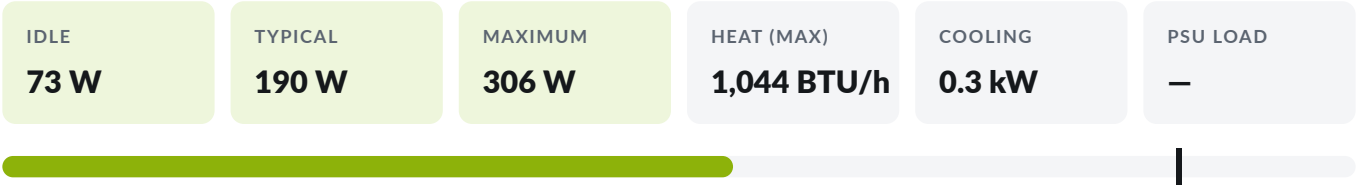
KEY SPECIFICATIONS

Form factor	Compact
Processor	Intel Xeon D
Memory	up to 128 GB
Typical power draw	450 W
Networking	Dual LAN via Intel i350-AM2 Gigabit Ethernet



02 Power & thermal

Calculated for the base configuration



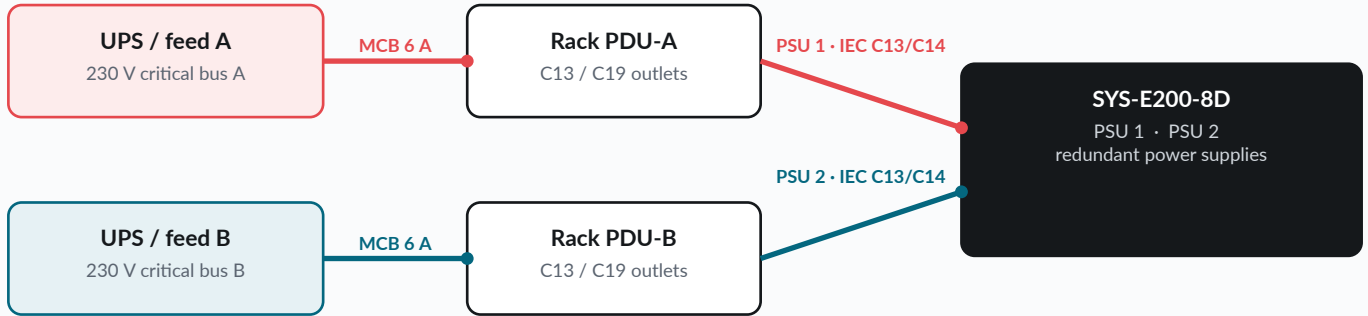
Annual IT energy (24/7)	1,357 kWh
Annual facility energy (PUE 1.5)	2,036 kWh
Annual energy cost	€271 IT · €407 incl. cooling (at 0.20 €/kWh)
CO ₂ emissions / year	0.53 t (grid factor 0.26 kg/kWh)
Power supplies	Redundant hot-swap PSUs — rating depends on the final configuration

POWER BY COMPONENT	IDLE	TYPICAL	MAX
Chassis, motherboard, fans, BMC	38 W	59 W	85 W
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 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

PROCESSOR/CACHE

CPU	Intel Xeon processor D-1528 FCBGA 1667 CPU TDP support 35W, 9MB, 6 Cores, 12 Threads, 1.9-2.2GHz
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SYSTEM MEMORY

Memory Capacity	4x DDR4 DIMM sockets Supports up to 128GB DDR4 ECC RDIMM Supports up to 64GB DDR4 ECC/non-ECC UDIMM
Memory Type	2133/1866/1600MHz ECC DDR4 ECC RDIMM and ECC/Non-ECC UDIMM
DIMM Sizes	32GB, 16GB, 8GB, 4GB
Memory Voltage	1.2 V
Error Detection	Corrects single-bit errors Detects double-bit errors (using ECC memory)

ON-BOARD DEVICES

Chipset	System on Chip
SATA	SoC controller for 6 SATA3 (6Gbps) ports
Network Controllers	Dual LAN via Intel i350-AM2 Gigabit Ethernet Dual LAN via SoC 10GBase-T Virtual Machine Device Queues reduce I/O overhead Supports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1 Realtek RTL8201N PHY (dedicated IPMI)
IPMI	Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Graphics	Aspeed AST2400

INPUT / OUTPUT

SATA	6 SATA3 (6Gbps) ports
LAN	2 RJ45 Gigabit Ethernet LAN ports 2 RJ45 10GBase-T ports 1 RJ45 Dedicated IPMI LAN port
USB	2 USB 3.0 ports (rear)
Display	1 VGA port
DOM	1 SuperDOM (Disk on Module) power connector
TPM	TPM 2.0 header

CHASSIS

Form Factor	Mini-1U
Model	CSE-101F

DIMENSIONS

Width	7.6" (193mm) / 15" (381mm) - pkg.
Height	1.7" (43mm) / 10.87" (276mm) - pkg.
Depth	8.9" (226mm) / 5.59" (142mm) - pkg.
Weight	Gross Weight: 6.5 lbs (2.95 kg) Net Weight: 3.0 lbs (1.36 kg)
Available Colors	Black

FRONT PANEL

Buttons	Power On/Off button
LEDs	Power LED (Hard drive activity LED)

EXPANSION SLOTS

M.2	Interface: PCI-E 3.0 x4 Form Factor: M Key 2242/2280 Support SATA devices
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DRIVE BAYS

Internal	2.5" fixed drive bay with bracket (Design for 9.5mm thickness HDD with Low Profile Memory)
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SYSTEM COOLING

Fans	Passive CPU heat sink and 2x 40mm chassis fans
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SYSTEM BIOS

BIOS Type	128Mb SPI Flash with AMI BIOS
BIOS Features	PCI 3.0 ACPI 5.0 USB Keyboard support Hardware BIOS Virus protection SMBIOS 2.8 UEFI 2.4 RTC (Real Time Clock) Wakeup

MANAGEMENT

Software	IPMI 2.0 KVM with dedicated LAN NMI SUM SuperDoctor 5 Watch Dog
Power Configurations	ACPI / APM Power Management CPU Fan auto-off in sleep mode Power-on mode for AC power recovery
Fan	Fans with tachometer status monitoring Status monitor for speed control Low noise fan speed control Pulse Width Modulated (PWM) fan connectors

OPERATING ENVIRONMENT / COMPLIANCE

RoHS	RoHS Compliant
Environmental Spec.	Operating Temperature: 0°C to 40°C (32°F to 104°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°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

