

TECHNICAL DATASHEET

SUPERMICRO · RACKMOUNT SERVERS

Supermicro Server SYS-1019S-MP

SKU SYS-1019S-MP

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-1019s-mp



01 Product overview

The Supermicro SYS-1019S-MP is a server built on Intel Xeon processor E3-1515M v5 Single Socket FCBGA 1440 with up to 32 GB of memory in 2 DIMM slots.

ServerInvest configures every SYS-1019S-MP 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

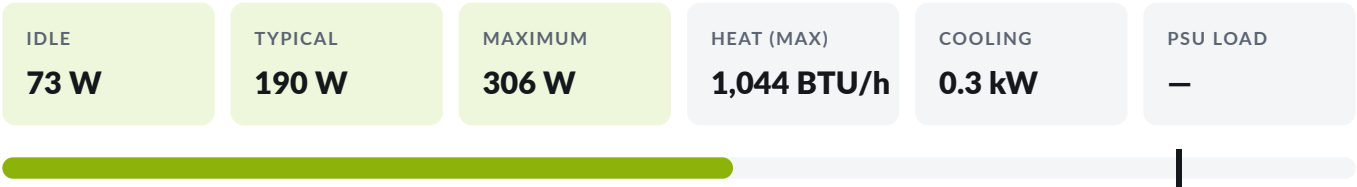
- Intel Xeon processor E3-1515M v5 Single Socket FCBGA 1440
- Up to 32 GB memory · 2 DIMM slots
- 1 internal 2.5" drive tray
- Networking: Single LAN with Intel PHY I219LM LAN controller

KEY SPECIFICATIONS

Form factor	Compact
Processor	Intel Xeon processor E3-1515M v5 Single Socket FCBGA 1440
Memory	2 DIMM slots, up to 32 GB
Typical power draw	450 W
Networking	Single LAN with Intel PHY I219LM LAN controller

02 Power & thermal

Calculated for the base configuration



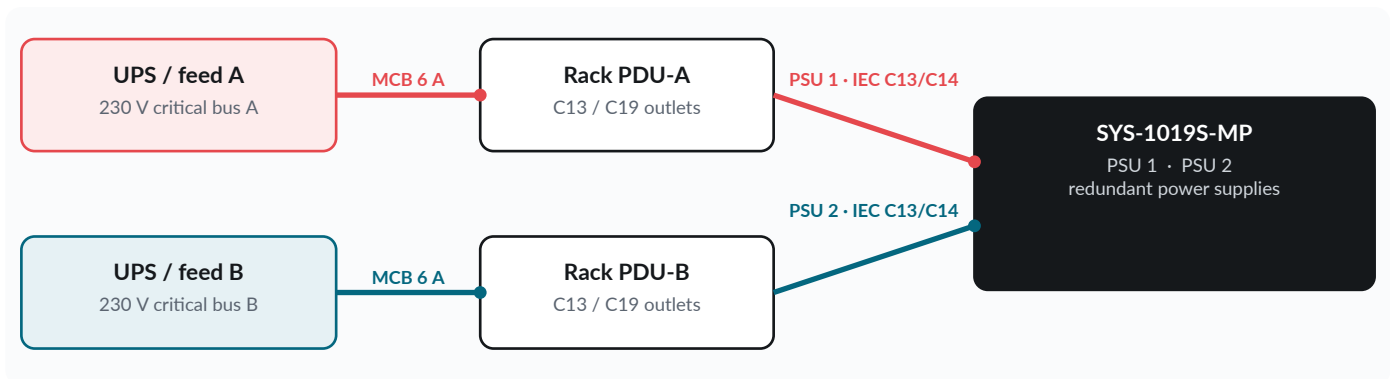
Annual IT energy (24/7)	1,357 kWh
Annual facility energy (PUE 1.5)	2,036 kWh
Annual energy cost	€271 IT · €407 incl. cooling (at 0.20 €/kWh)
CO ₂ emissions / year	0.53 t (grid factor 0.26 kg/kWh)
Power supplies	Redundant hot-swap PSUs — rating depends on the final configuration

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 E3-1515M v5 Single Socket FCBGA 1440, QPI up to 8.0GT/s, CPU TDP support 45W
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SYSTEM MEMORY

Memory Capacity	2x DDR4 SO-DIMM slots Up to 32GB Unbuffered ECC/non-ECC SO-DIMM, DDR4-2133MHz, in 2 DIMM slots
Memory Type	2133/1866/1600MHz ECC/Non-ECC DDR4 SODIMMs
DIMM Sizes	16GB, 8GB, 4GB
Memory Voltage	1.2 V

ON-BOARD DEVICES

Chipset	Intel CM236 Chipset
SATA	Intel CM236 controller for 4 SATA3 (6 Gbps) ports; RAID 0, 1, 5, 10; Intel RSTe
Network Controllers	Single LAN with Intel PHY I219LM LAN controller Single LAN with Intel Ethernet Controller I210-AT Dual LAN with Intel Ethernet Controller I350-AM2 Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Audio	ALC 888S HD Audio
Graphics	Intel Iris Pro Graphics P580

INPUT / OUTPUT

Serial ATA	4 SATA3 (6Gbps) ports; RAID 0, 1, 5, 10; Intel RSTe
LAN	4 RJ45 Gigabit Ethernet LAN ports
USB	4 USB 3.0 ports (rear)
Audio	ALC 888S HD Audio

Display	1 Display Port 1.2, 1 HDMI 2.0, 1 DVI-I, 3 Independent Displays
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CHASSIS

Form Factor	Mini-ITX
Model	CSE-101iF

DIMENSIONS

Width	7.68" (195mm)
Height	2.68" (68mm)
Depth	7.68" (195mm)
Weight	Gross Weight: 6.68 lbs (3.04 kg) Net Weight: 3.86 lbs (1.75 kg)
Available Colors	Black

FRONT PANEL

Buttons	Power button
LEDs	Power LED (Hard drive activity LED)
I/O Ports	4 USB 3.0 (rear)

EXPANSION SLOTS

PCI-E	1 Mini-PCIe w/ mSATA support 1 M.2 PCIe 3.0 x4 (SATA support), M Key 2242/80
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DRIVE BAYS

Internal	1 internal 2.5" drive tray Enterprise SATA HDD only recommended
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SYSTEM COOLING

Fans	2x 6cm 4-pin cooling fans
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SYSTEM BIOS

BIOS Type	AMI UEFI
BIOS Features	ACPI 5.0 DMI 2.3 PCI 3.0 Plug and Play (PnP) SMBIOS 3.0 UEFI 2.3.1 USB Keyboard support

OPERATING ENVIRONMENT / COMPLIANCE

RoHS	RoHS Compliant
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Environmental Spec.

Operating Temperature:
10°C to 35°C (50°F to 95°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

