

TECHNICAL DATASHEET

SUPERMICRO · RACKMOUNT SERVERS

Supermicro Server SYS-1019D-4C-RAN13TP

SKU SYS-1019D-4C-RAN13TP

1U

Supermicro

SuperServer SYS-1019D-4C-RAN13TP+

(Angled View – System)



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FORM FACTOR

1U

MAX POWER (BASE)

306 W

HEAT OUTPUT

1,044 BTU/h

PRICE

On request



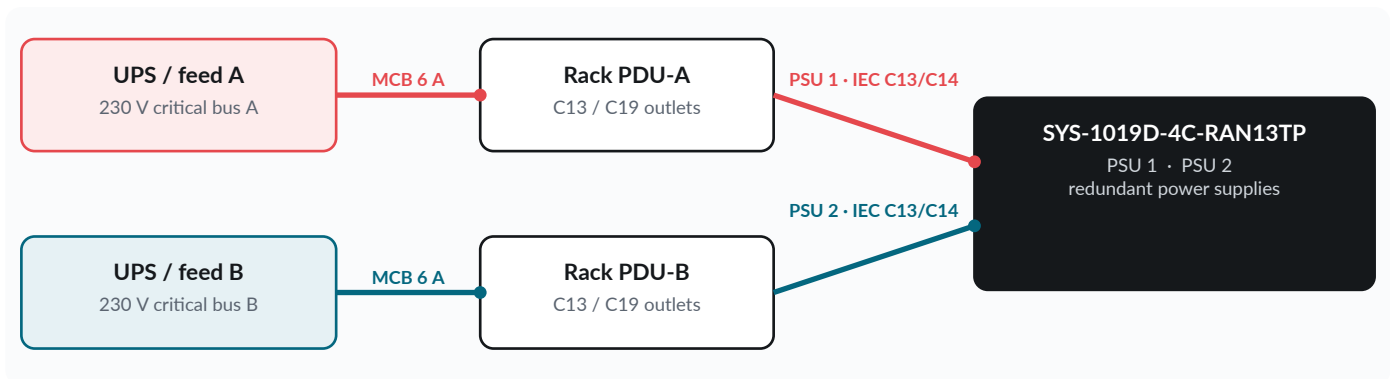
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serverinvest.com/product/sys-1019d-4c-ran13tp



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

CPU	Intel Xeon processor D-2123IT Single Socket FCBGA-2518 supported, CPU TDP supports Up to 60W TDP
Cores / Cache	4 Cores, 8 Threads

SYSTEM MEMORY

Memory Capacity	Up to 512GB DDR4 ECC LRDIMM Up to 256GB DDR4 ECC RDIMM 4 DIMM slots
Memory Type	2666/2400/2133MHz ECC DDR4 L/RDIMM Operating speed up to 2400MHz
DIMM Sizes	128GB, 64GB, 32GB, 16GB
Memory Voltage	1.2 V

ON-BOARD DEVICES

Chipset	System on Chip (SoC)
SATA	SATA3 (6Gbps) ports via SoC controller
Network Controllers	Quad 10G SFP+ via SoC 8x 1GbE with Intel I350-AM4 Single 1GbE with Intel I210
IPMI	ASPEED AST2500 Support for Intelligent Platform Management Interface v.2.0
Video	VGA via Aspeed AST2500 BMC

INPUT / OUTPUT

SATA	2 SATA3 (6Gbps) ports
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LAN	9 RJ45 Gigabit Ethernet LAN ports 4 10G SFP+ LAN ports 1 RJ45 Dedicated IPMI LAN port
USB	2 USB 3.0 ports (front)
Video	1 VGA port
Serial Port / Header	1 COM via RJ45
TPM	1 TPM Header & Chip both

SYSTEM BIOS

BIOS Type	UEFI 256Mb
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MANAGEMENT

Software	Intel Node Manager IPMI 2.0 NMI SUM Watch Dog SuperDoctor 5
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CHASSIS

Form Factor	1U Rackmount
Model	CSE-515M-R804

DIMENSIONS AND WEIGHT

Height	1.7" (43mm)
Width	17.2" (437mm)
Depth	15.7" (399mm)
Package	8" (H) x 27" (W) x 24" (D)
Weight	Gross Weight: 28 lbs (12.7 kg) Net Weight: 18 lbs (8.16 kg)
Available Colors	Black

FRONT PANEL

Buttons	Power On/Off button System Reset button
LEDs	Power LED Hard drive activity LED Network activity LEDs System Information LED

EXPANSION SLOTS

PCI-Express	2 PCI-E 3.0 x16 (FHFL) slots
M.2	1 M.2 M-Key: 2280/22110 1 M.2 B-Key: 2242/3042 1 M.2 E-Key: 2230

DRIVE BAYS

Internal 2 Internal 2.5" drive bays

SYSTEM COOLING

Fans 5x 40x56mm Hot-swap Counter-rotation PWM Fans

POWER SUPPLY

AC Voltage 100-240 V, 50-60 Hz

+5V N/A

+5V standby Max.: 4 Amp
Min.: 0 Amp

+12V Max: 62.5A & Min: 0.5A (100Vac-127Vac)
Max: 66.6A & Min: 0.5A (200Vac-240Vac)
Max: 66.6A & Min: 0.5A (230-240Vdc)

-12V N/A

+3.3V N/A

Certification Platinum Level Certified
[Test Report]

OPERATING ENVIRONMENT / COMPLIANCE

RoHS RoHS Compliant

Environmental Spec. Operating Temperature:
0°C to 45°C (32°F to 113°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

