

TECHNICAL DATASHEET

SUPERMICRO · RACKMOUNT SERVERS

Supermicro Server SYS-1019C-HTN2

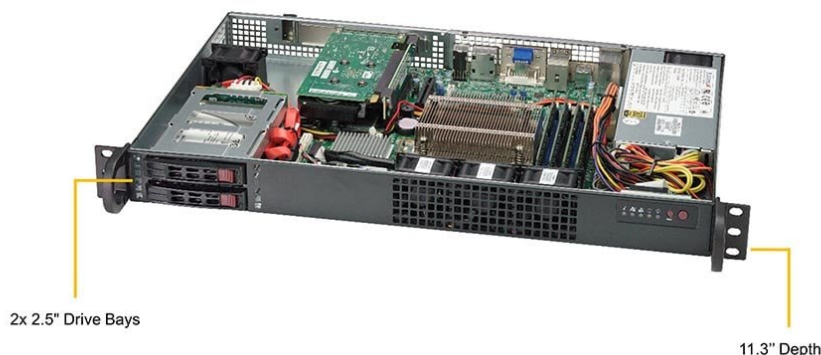
SKU SYS-1019C-HTN2

1U

Supermicro

SuperServer SYS-1019C-HTN2

(Angled View – System)



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FORM FACTOR

1U

MAX POWER (BASE)

306 W

HEAT OUTPUT

1,044 BTU/h

PRICE

On request



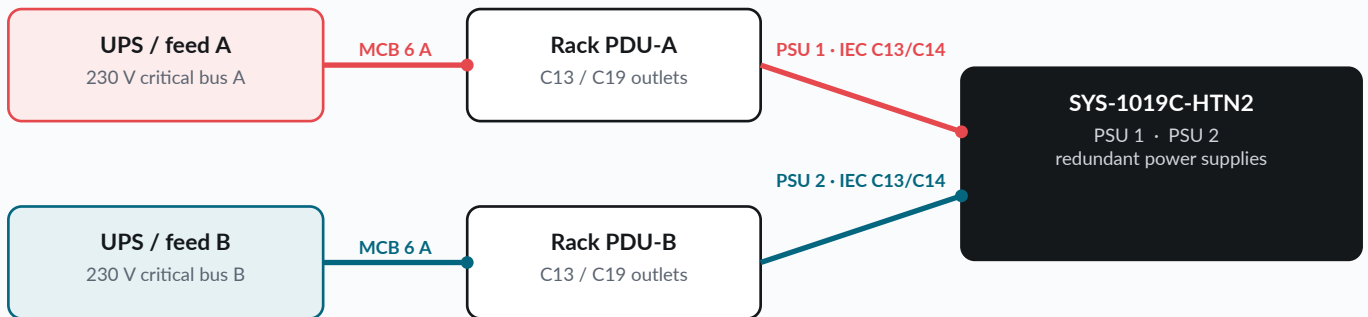
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03 Power connection diagram

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	Single Socket H4 (LGA 1151), CPU TDP support up to 80W Support Intel Xeon processor E-2100 / E-2200 series, 8th/9th Gen. Intel Core i9/i7/i5/i3 Processors, Intel Celeron, Intel Pentium A graphic integrated CPU is required to have onboard video from the DVI and DP ports
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SYSTEM MEMORY

Memory Capacity	4 DIMM slots Up to 128GB Unbuffered ECC/non-ECC UDIMM Up to DDR4-2666MHz
Memory Type	2666/2400/2133MHz ECC DDR4 SDRAM
DIMM Sizes	32GB, 16GB, 8GB, 4GB

ON-BOARD DEVICES

Chipset	Intel C246 chipset
SATA	SATA3 (6Gbps) via Intel C246 controller RAID 0, 1 support
IPMI	Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support ASPEED AST2500 BMC
Network Controllers	Single LAN with Intel I210-AT Single LAN with Intel PHY I219LM
Video	ASPEED AST2500 BMC and Intel HD Graphics
Audio	ALC 888S 7.1 HD Audio

INPUT / OUTPUT

SATA	2 SATA3 (6Gbps) ports; RAID 0, 1
LAN	2 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port
USB	3 USB 3.1 ports (3 Type A and 1 Type C)
Video/Display	2 DP (DisplayPort): 1 DVI-I, 1 VGA D-Sub Connector port 3 independent displays
Audio	MIC-in and LINE-out
TPM	TPM Header " Chip

SYSTEM BIOS

BIOS Type	AMI UEFI
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MANAGEMENT

Software	IPMI 2.0 with KVM support Watch Dog SuperDoctor 5
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CHASSIS

Form Factor	1U Rackmount
Model	CSE-510FT-203B

DIMENSIONS AND WEIGHT

Height	1.7" (43mm)
Width	17.2" (437mm)
Depth	11.3" (287mm)
Package	6.1" (H) x 25.4" (W) x 19.8" (D)
Weight	Gross Weight: 14.1 lbs (6.4 kg) Net Weight: 10.0 lbs (4.54 kg)
Available Colors	Black

FRONT PANEL

Buttons	Power On/Off button System Reset button
LEDs	Power LED Hard drive activity LED 2 Network activity LEDs System Information LED

EXPANSION SLOTS

PCI-Express	1 PCI-E 3.0 x16 (HHHL) slot
M.2	M.2 Interface: 1 SATA/PCI-E 3.0 x4 M.2 Form Factor: 2280/22110 M.2 Key: M-Key

DRIVE BAYS

Internal	2 Hot-swap 2.5" SATA3 drive bays (maximum 12mm-thick drive)
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SYSTEM COOLING

Fans	4x 40x28mm 4-pin PWM fans
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POWER SUPPLY

AC Voltage	100 - 240V, 50-60Hz, 2.6 Amp Max
+5V	8.0 Amp (max.)
+5V standby	2.0 Amp (max.)
+12V	16 Amp (max.)
-12V	0.5 Amp (max.)
+3.3V	8.0 Amp (max.)
Certification	Gold Certified

PC HEALTH MONITORING

CPU	Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.
FAN	Total of 6 fan headers supporting up to 6 fans 6 fans with tachometer status monitoring Status monitor for speed control Status monitor for on/off control Low noise fan speed control Pulse Width Modulated (PWM) fan connectors
Temperature	Monitoring for CPU and chassis environment CPU thermal trip support I 2 C temperature sensing logic Thermal Monitor 2 (TM2) support PECI

OPERATING ENVIRONMENT / COMPLIANCE

RoHS	RoHS Compliant
Environmental Spec.	Operating Temperature: 10°C to 40°C (50°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

