

## TECHNICAL DATASHEET

SUPERMICRO · RACKMOUNT SERVERS

# Supermicro Server SYS-1019C-FHTN8

SKU SYS-1019C-FHTN8

1U

Supermicro

**SuperServer SYS-1019C-FHTN8***(Angled View – System)*2x 2.5" Hot-swap  
SATA3 Drive Bays

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## FORM FACTOR

**1U**

## MAX POWER (BASE)

**306 W**

## HEAT OUTPUT

**1,044 BTU/h**

## PRICE

**On request**

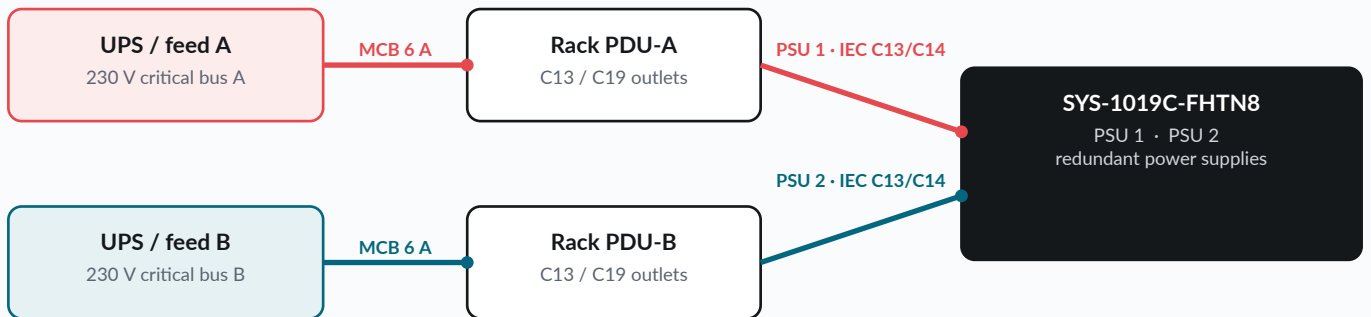
## REQUEST A QUOTATION ONLINE

[serverinvest.com/product/sys-1019c-fhtn8](https://serverinvest.com/product/sys-1019c-fhtn8)



### 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),<br>CPU TDP support up to 80W<br>Support Intel Xeon processor E-2100 / E-2200 series, 8th Gen. Intel Core i3 Processors, Intel Celeron, Intel Pentium |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### SYSTEM MEMORY

|                 |                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------|
| Memory Capacity | 4 DIMM slots<br>Up to 128GB Unbuffered ECC UDIMM                                        |
| Memory Type     | 2666/2400/2133MHz ECC DDR4 SDRAM                                                        |
| DIMM Sizes      | 32GB, 16GB, 8GB, 4GB                                                                    |
| Note            | 128GB system memory capacity will be available in 2019 through a published BIOS update. |

#### ON-BOARD DEVICES

|                     |                                                                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Chipset             | Intel C246 chipset                                                                                                                                 |
| SATA                | Intel C246 controller for SATA3 (6 Gbps) ports; RAID 0, 1, 5, 10                                                                                   |
| IPMI                | Support for Intelligent Platform Management Interface v.2.0<br>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support<br>ASPEED AST2500 BMC |
| Network Controllers | Eight LAN with Intel I210-AT                                                                                                                       |
| Video               | VGA via Aspeed AST2500 BMC                                                                                                                         |

#### INPUT / OUTPUT

|      |                                                                     |
|------|---------------------------------------------------------------------|
| SATA | 5 SATA3 (6Gbps) ports                                               |
| LAN  | 8 RJ45 Gigabit Ethernet LAN ports<br>1 RJ45 Dedicated IPMI LAN port |

|                      |                                                    |
|----------------------|----------------------------------------------------|
| USB                  | 2 USB 3.1 ports (front)<br>2 USB 2.0 ports (front) |
| Video                | 1 VGA port                                         |
| Serial Port / Header | 1 COM port (option)                                |

## SYSTEM BIOS

|           |            |
|-----------|------------|
| BIOS Type | UEFI 256Mb |
|-----------|------------|

## MANAGEMENT

|          |                                                                                        |
|----------|----------------------------------------------------------------------------------------|
| Software | Intel Node Manager<br>IPMI 2.0<br>NMI<br>SSM , SPM , SUM<br>Watch Dog<br>SuperDoctor 5 |
|----------|----------------------------------------------------------------------------------------|

## CHASSIS

|             |                  |
|-------------|------------------|
| Form Factor | 1U Rackmount     |
| Model       | CSE-513BTQC-350B |

## DIMENSIONS AND WEIGHT

|                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| Height           | 1.7" (43mm)                                                       |
| Width            | 17.2" (437mm)                                                     |
| Depth            | 15" (381mm)                                                       |
| Package          | 8" (H) x 24" (W) x 27" (D)                                        |
| Weight           | Gross Weight: 14.1 lbs (6.4 kg)<br>Net Weight: 10.0 lbs (4.54 kg) |
| Available Colors | Black front panel with silver chassis                             |

## FRONT PANEL

|         |                                                                                         |
|---------|-----------------------------------------------------------------------------------------|
| Buttons | Power On/Off button<br>System Reset button                                              |
| LEDs    | Power LED<br>Hard drive activity LED<br>Network activity LEDs<br>System Information LED |

## EXPANSION SLOTS

|             |                                                                                                        |
|-------------|--------------------------------------------------------------------------------------------------------|
| PCI-Express | 1 PCI-E 3.0 x16 (FHFL) slot                                                                            |
| M.2         | M.2 Interface: 1 SATA/PCI-E 3.0 x4 and 1 PCI-E 3.0 x4<br>M.2 Form Factor: 2280/22110<br>M.2 Key: M-Key |

## DRIVE BAYS

|          |                                             |
|----------|---------------------------------------------|
| Hot-swap | 2 Hot-swap 2.5" SATA3 drive bays            |
| Internal | 2 Internal 2.5" SATA3 drive bays (SSD only) |

## SYSTEM COOLING

Fans 4x 40x28mm 4-pin PWM fans (optional: 2 additional fans)

## POWER SUPPLY

AC Voltage 100-240 V, 50-60 Hz, 5.0-2.5 Amp

+5V Max.: 15 Amp  
Min.: 0.2 Amp

+5V standby Max.: 3 Amp  
Min.: 0 Amp

+12V Max.: 29 Amp  
Min.: 0.5 Amp

-12V Max.: 0.2 Amp  
Min.: 0 Amp

+3.3V Max.: 12 Amp  
Min.: 0.2 Amp

Certification Platinum Level Certified  
[ Test Report ]

## 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](mailto:office@serverinvest.com)

