

TECHNICAL DATASHEET

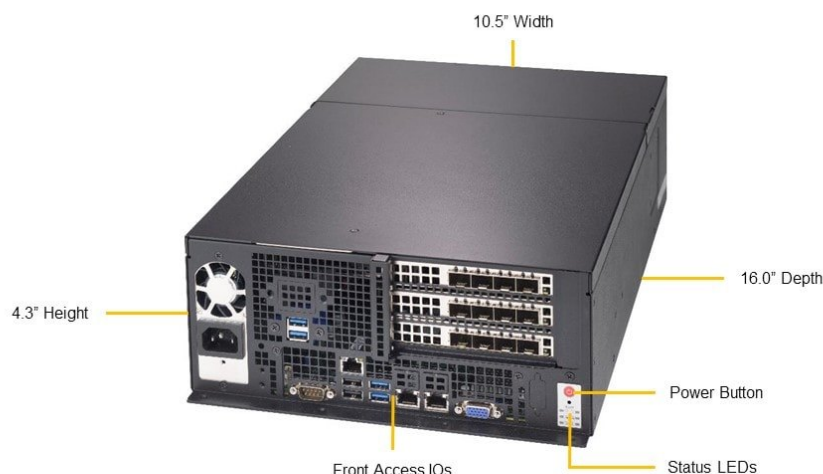
SUPERMICRO · EDGE & EMBEDDED

Supermicro Server SYS-E403-9P-FN2T

SKU SYS-E403-9P-FN2T

Compact

Supermicro

SuperServer SYS-E403-9P-FN2T*(Angled View – System)*

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FORM FACTOR

Compact

MAX POWER (BASE)

306 W

HEAT OUTPUT

1,044 BTU/h

PRICE

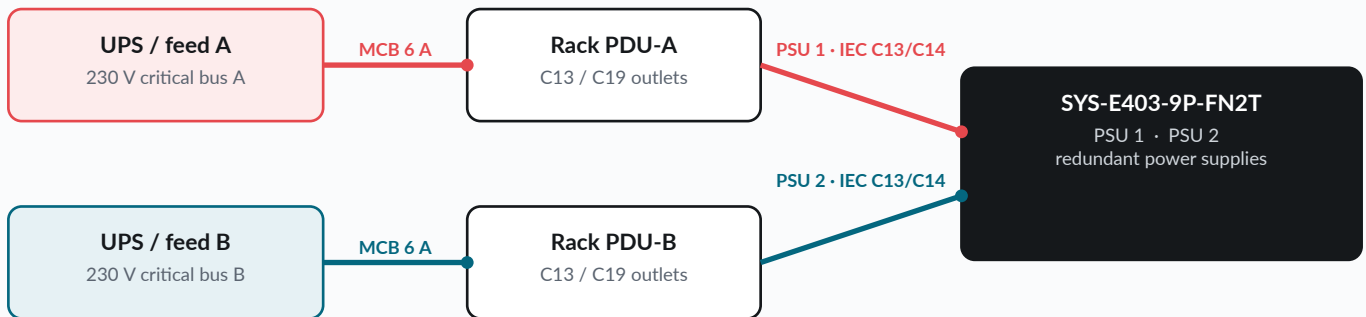
On request

REQUEST A QUOTATION ONLINE

serverinvest.com/product/sys-e403-9p-fn2t

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 P (LGA 3647) 2nd Gen. Intel Xeon Scalable Processors (Cascade Lake-SP) ‡ Support CPU TDP 70-205W
Cores	Up to 28 Cores
Note	‡ BIOS version 3.2 or above is required to support 2nd Gen Intel Xeon Scalable processors (codenamed Cascade Lake-R). Operating Temperature: 0°C ~ 35°C (32°F ~ 95°F) for Cascade Lake-R CPUs above 165W TDP, please contact Supermicro Technical Support for additional information.

SYSTEM MEMORY

Memory Capacity	6 DIMM slots Up to 1.5TB 3DS ECC DDR4-2933MHz RDIMM/LRDIMM
Memory Type	2933/2666/2400/2133MHz ECC DDR4 RDIMM/LRDIMM

ON-BOARD DEVICES

Chipset	System on Intel C622 chipset
SATA	Intel C622 controller; RAID 0, 1, 5, 10
Network Controllers	Dual 10GBase-T LAN with Intel X722 + X557
IPMI	Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Video	ASPEED AST2500 BMC

INPUT / OUTPUT

SATA	4 SATA3 (6Gbps) ports
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LAN	2 RJ45 10GBase-T LAN ports 1 RJ45 Dedicated IPMI LAN port
USB	4 USB 3.0 ports (front) 2 USB 2.0 ports (front)
Video	1 VGA port
Serial Port	1 COM port (front)
SuperDOM	2 SuperDOM (Disk on Module) ports with built-in power

SYSTEM BIOS

BIOS Type	AMI 32Mb SPI Flash ROM
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MANAGEMENT

Software	Intel Node Manager IPMI 2.0 KVM with dedicated LAN NMI SPM , SUM SuperDoctor 5 Watch Dog
Power Configurations	ACPI Power Management Power-on mode for AC power recovery

CHASSIS

Form Factor	Box PC
Model	CSE-E403iF

DIMENSIONS AND WEIGHT

Height	4.3" (109mm)
Width	10.5" (267mm)
Depth	16" (406mm)
Package	26" (W) x 10.4" (H) x 16.4" (D)
Weight	Gross Weight: 24 lbs (10.89 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 Overheat LED

EXPANSION SLOTS

PCI-Express	2 PCI-E 3.0 x16 (FHFL) slots or 2 PCI-E 3.0 x8, 1 PCI-E 3.0 x16 (FHFL) slots †
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Note	† See Manuals for settings on Expansion Card and BIOS
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DRIVE BAYS

Internal	4 Internal 2.5" drive bays
M.2	M.2 Interface: PCI-E 3.0 x4 and SATA Form Factor: 2280, 22110 Key: M-Key Double Height Connector

SYSTEM COOLING

Fans	3x 80x38mm PWM hot swap fans
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POWER SUPPLY

AC Voltage	100-240 V, 50-60 Hz, 7.5-3.1 Amp
+5V	20 Amp
+5V standby	3 Amp
+12V	49 Amp
+3.3V	16 Amp
Certification	Gold Certified [Test Report]

OPERATING ENVIRONMENT / COMPLIANCE

RoHS	RoHS Compliant
Environmental Spec.	Operating Temperature: 0°C ~ 45°C (32°F ~ 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.



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Request a quotation online or talk to a solutions engineer — we reply within one business day.
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