

Supermicro SDP-2P8D-001

- Pedestal server • Intel[®] Xeon[®] E5-2600 v2 processor
- Up to 1TB DDR3 ECC memory • 8x hot swap 3.5" SAS/SATA HDD

Designed to support virtualization, this high-performance Supermicro SDP-2P8D-001 pedestal server is the perfect solution for any office that requires scalable memory or storage capacity. Configured with the Intel[®] Xeon[®] E5-2600 v2 processor and featuring DDR3 ECC memory, enterprise-class SAS/SATA hard drives and a super quiet power supply, this all-purpose server reduces operating costs and increases efficiency, providing your customer's business with the reliability and performance they expect.



Features

Intel[®] Xeon[®] Processors

The Intel Xeon E5-2600 v2 processor family delivers the scalable performance and reliability needed for a server environment.

ECC Memory

By correcting 99.9% of memory errors that may occur, ECC memory ensures data safety and keeps systems running.

SATA and SAS Storage

Designed to manage server storage efficiently in 24x7 environments, the SAS and SATA hard drive options provide added storage capabilities when you need it the most.

SPECIFICATION HIGHLIGHTS



Form Factor

Pedestal
(with rackmount option)

Processor

Intel Xeon E5-2600 v2 family

Memory

Up to 1TB ECC DDR3;
1866MHz; 16x DIMM sockets

Chipset

Intel[®] C602 Chipset

Storage

8x hot swap 3.5" SAS/SATA
HDD bays

Power Supply

865W super quiet

Contact Information

Servers Direct • www.ServersDirect.com • 800-576-7931

Chassis Specifications
Product SKUs CSE-743TQ-865B-SQ

Form Factor 4U chassis support for max. motherboard size - 12" x 13" E-ATX

Processor Support Supports dual, single Intel® / AMD processors

Dimensions 17.8" [H] x 7.0" [W] x 25.5" [D] • Gross Weight: 56 lbs • Available Colors: Black

Expansion Slots 7x Full-height, Full-length PCI expansion slots

Drive Bays
Hot-swap 8x 3.5" SAS / SATA Hot-swap Drive Bays • SAS or enterprise SATA HDD only recommended

Peripheral Bay(s) 2x 5.25" Peripheral Drive Bays • 1x 5.25" Bay for 3.5" device • Drive Bays are 90° Rotatable

SAS/SATA Backplane SAS / SATA Hard Drive Backplane w/AMI MG9072

Front Panel
Buttons Power On/Off button • System Reset button

LEDs Power LED • Hard drive activity LED • 2x Network activity LEDs • System Overheat LED • Power Fail LED

Ports 2x USB Ports

System Cooling
Fans 2x Super Quiet PWM Chassis Fans • 1x Super Quiet Rear Fan

System Monitoring Chassis intrusion switch

Operating Environment (System)

Operating Temperature Range	5°C ~ 35°C [41°F ~ 95°F]
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Non-Operating Temperature Range	-40°C ~ 60°C [-40°F ~ 140°F]
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Operating Relative Humidity Range	8% ~ 90% [non-condensing]
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Non-Operating Relative Humidity Range	5% - 95% [non-condensing]
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Power Supply

865W AC power supply [cooling-redundant] w/ PFC

AC Voltage	100 - 240V, 50-60Hz, 12-6 Amp
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+5V Standby	6.5 Amp
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+12V	70 Amp
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+5V	30 Amp
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+3.3V	30 Amp
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-12V	1 Amp
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Regulatory (Power Supply)
Power Supply Safety / EMC

USA - UL listed, FCC • Canada - CUL listed • Germany - TUV Certified • Europe/CE

Mark • EN 60950/IEC 60950-Compliant • CB report ready

Motherboard Specifications
Product SKUs MBD-X9DRI-F-O • X9DRI-F

Physical Stats

Form Factor E-ATX	Dimensions 12" x 13" [30.5 cm x 33.2 cm]
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Processor/Cache
CPU Dual Socket R [LGA 2011]

Intel Xeon processor E5-2600 and E5-2600 v2 family† [up to 135W TDP **]

Note † BIOS version 3.0 or above is required

** Motherboard supports this maximum TDP. Please verify your system can thermally support.

Cache Up to 30MB

System Bus QPI up to 8 GT/s

System Memory
Memory Capacity 16x 240-pin DDR3 DIMM sockets • Up to 1TB DDR3 ECC LRDIMM • Up to 512GB DDR3 ECC Registered memory [RDIMM] • Up to 128GB DDR3 ECC/non-ECC UDIMM

Memory Type 1866/1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs • Support ECC and non-ECC UDIMMs

DIMM Sizes 32GB, 16GB, 8GB, 4GB, 2GB, 1GB, 64GB LRDIMM

Memory Voltage 1.5V, 1.35V

Error Detection Corrects single-bit errors • Detects double-bit errors [using ECC memory]

Motherboard Specifications On-Board Devices
Continued

Chipset	Intel® C602 Chipset
SATA	SATA 2.0 3Gbps with RAID 0, 1, 5, 10 • SATA 3.0 6Gbps with RAID 0, 1, 5, 10
IPMI	Support for Intelligent Platform Management Interface v.2.0 • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support • Nuvoton WPCM450 BMC
Network Controllers	Intel® i350 Dual Port Gigabit Ethernet • Virtual Machine Device Queues reduce I/O overhead • Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output • 1x Realtek RTL8201N PHY (dedicated IPMI)
Video	Matrox G200eW
Input /Output	
AHCI SATA	2 SATA 3.0 ports [6Gbps] • 4x SATA 2.0 ports [3Gbps]
SCU SATA	4 SATA 2.0 ports [3Gbps]
LAN	2 RJ45 Gigabit Ethernet LAN ports • 1 RJ45 Dedicated IPMI LAN port
USB	11 USB 2.0 ports total [4 rear + 6 via header + 1 Type A]
Video	1 VGA port
Serial Port / Header	2 Fast UART 16550 ports: 1 rear and 1 header
DOM	1 DOM [Disk on Module] power connector
TPM	1 TPM 1.2 20-pin Header