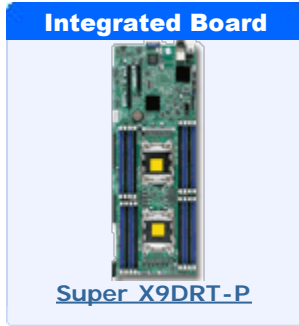


SuperServer 2027PR-DTR



Available Colors:

Black



Coming Soon

Key Features

Two hot-pluggable systems (nodes) in a 2U form factor. Each node supports the following:

1. Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and **E5-2600 v2** family†
2. Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, up to 1866MHz; 16x DIMM sockets
3. 1x PCI-E 3.0 x16 Low-profile slot; 1x PCI-E 3.0 x8 Low-profile slot
4. Intel® i350-AM2 Dual port GbE LAN
5. Integrated IPMI 2.0 with KVM and Dedicated LAN
6. 8x Hot-swap 2.5" SATA HDD Bays
7. 1280W Redundant Power Supplies **Platinum Level (94%)**

Note: Image above may show a varied configuration or optional parts, Please refer to parts list for standard parts included.

Specifications

Product SKUs

SYS-2027PR-DTR	▪ SuperServer 2027PR-DTR (Black)
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Motherboard

Super X9DRT-P

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
Cache	▪ Up to 30MB
System Bus	▪ QPI up to 8 GT/s

* Please contact your Supermicro sales representative for additional details

System Memory (per Node)

Memory Capacity	▪ 16x 240-pin DDR3 DIMM sockets
	▪ Supports up to 1TB DDR3 ECC LRDIMM
	▪ Up to 512GB DDR3 ECC LRDIMM

Chassis

Form Factor	▪ 2U Rackmount
Model	▪ CSE-217HD+-R1K28B

Dimensions

Width	▪ 17.25" (438mm)
Height	▪ 3.47" (88mm)
Depth	▪ 28.5" (724mm)
Gross Weight	▪ 85 lbs (38.6kg)
Available Colors	▪ Black

Front Panel

Buttons	▪ Power On/Off button
	▪ System Reset button
LEDs	▪ UID button
	▪ Power status LED
	▪ HDD activity LED
	▪ 2x Network activity LEDs
	▪ Universal Information (UID) LED

Expansion Slots (per Node)

Memory Type	<ul style="list-style-type: none"> 1866/1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	<ul style="list-style-type: none"> 32GB, 16GB, 8GB, 4GB, 2GB, 1GB
Memory Voltage	<ul style="list-style-type: none"> 1.5 V and 1.35 V
Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors Detects double-bit errors (using ECC memory)
On-Board Devices	
Chipset	<ul style="list-style-type: none"> Intel® C606 Chipset
SATA	<ul style="list-style-type: none"> SATA3 (6Gbps) w/ RAID 0, 1, 10 SATA2 (3Gbps) w/ RAID 0, 1, 10
IPMI	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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)
Graphics	<ul style="list-style-type: none"> Matrox G200eW
Input / Output (per Node)	
ACHI SATA	<ul style="list-style-type: none"> 2x SATA3 (6Gbps) ports 4x SATA2 (3Gbps) ports
SCU SATA	<ul style="list-style-type: none"> 2x SATA2 (3Gbps) ports
LAN	<ul style="list-style-type: none"> 2x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 2x USB 2.0 ports total (2x rear)
VGA	<ul style="list-style-type: none"> 1x VGA port
Serial Port / Header	<ul style="list-style-type: none"> 1x Fast UART 16550 port / 1 Header

- PCI-Express**
- 1x PCI-E 3.0 (x16) Low-profile slot
 - 1x PCI-E 3.0 (x8) Low-profile slot

Drive Bays (per Node)

- Hot-swap**
- 8x 2.5" Hot-swap SATA HDD trays

System Cooling

- Fans**
- 4x 8cm heavy duty PWM fans with optimal fan speed control

Power Supply

1280W Redundant High-efficiency Digital Power Supplies w/ PMBus 1.2

- AC Input**
- 1000W Output @ 100-140V, 12-8A, 50-60Hz
 - 1280W Output @ 180-240V, 8-6A, 50-60Hz

- DC Output**
- 1000W: +12V/83A; +5Vsb/4A
 - 1280W: +12V/106.7A, +5Vsb/4A

Certification



Platinum Certified [Test Report]

System BIOS

- BIOS Type**
- 128Mb SPI Flash EEPROM with AMI BIOS
- BIOS Features**
- Plug and Play (PnP)
 - APM 1.2
 - PCI 2.2
 - ACPI 1.0 / 2.0
 - USB Keyboard support
 - SMBIOS 2.3
 - UEFI

Operating Environment / Compliance

- RoHS**
- RoHS Compliant

Environmental Spec.

- Operating Temperature: 10°C to 35°C (50°F to 95°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)

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X9DRT-P	2	Super X9DRT-P Motherboard
	CSE-217HD+-R1K28B	1	2U Chassis
Backplane	BPN-SAS3-217HD	1	,RoHS/REACH,PBF 2U Twin Backplane, support 24 SAS3/SATA3 HDD (2.5") with Hot Swapping. Per node for 12 HDDs. PWM fan control, HDD spin up and failure LED supported.
Heatsink / Retention	SNK-P0048PS	4	2U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
Power Supply	PWS-1K28P-SQ	2	1U 1280W, redundant single output power supply