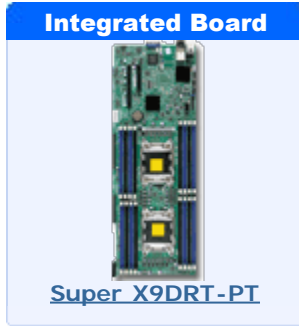


# SuperServer 2027PR-DTTR



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® X540 Dual port 10GbBase-T
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

<b>SYS-2027PR-DTTR</b>	▪ SuperServer 2027PR-DTTR ( <b>Black</b> )
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### Motherboard

#### Super X9DRT-PT

### Processor/Cache

<b>CPU</b>	▪ Dual Socket R (LGA 2011)
	▪ Intel® Xeon® processor E5-2600 and <b>E5-2600 v2</b> family† (up to 135W TDP *)
<b>Note</b>	† BIOS version 3.0 or above is required

<b>Cache</b>	▪ Up to 30MB
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<b>System Bus</b>	▪ QPI up to 8 GT/s
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### System Memory (per Node)

<b>Memory Capacity</b>	▪ 16x 240-pin DDR3 DIMM sockets
	▪ Supports up to 1TB DDR3 ECC LRDIMM
	▪ Up to 512GB DDR3 ECC Registered memory

### Chassis

<b>Form Factor</b>	▪ 2U Rackmount
<b>Model</b>	▪ <b>CSE-217HD+-R1K28B</b>

### Dimensions



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

### Front Panel

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

### Expansion Slots (per Node)

<b>Memory Type</b>	<ul style="list-style-type: none"> <li>1866/1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs</li> </ul>
<b>DIMM Sizes</b>	<ul style="list-style-type: none"> <li>32GB, 16GB, 8GB, 4GB, 2GB, 1GB</li> </ul>
<b>Memory Voltage</b>	<ul style="list-style-type: none"> <li>1.5 V and 1.35 V</li> </ul>
<b>Error Detection</b>	<ul style="list-style-type: none"> <li>Corrects single-bit errors</li> <li>Detects double-bit errors (using ECC memory)</li> </ul>
<b>On-Board Devices</b>	
<b>Chipset</b>	<ul style="list-style-type: none"> <li>Intel® C606 Chipset</li> </ul>
<b>SATA</b>	<ul style="list-style-type: none"> <li>SATA3 (6Gbps) w/ RAID 0, 1, 10</li> <li>SATA2 (3Gbps) w/ RAID 0, 1, 10</li> </ul>
<b>IPMI</b>	<ul style="list-style-type: none"> <li>Support for Intelligent Platform Management Interface v.2.0</li> <li>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li> <li>Nuvoton WPCM450 BMC</li> </ul>
<b>Network Controllers</b>	<ul style="list-style-type: none"> <li>Intel® X540 Dual port 10GBase-T</li> <li>Virtual Machine Device Queues reduce I/O overhead</li> <li>Supports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> <li>1x Realtek RTL8201N PHY (dedicated IPMI)</li> </ul>
<b>Graphics</b>	<ul style="list-style-type: none"> <li>Matrox G200eW</li> </ul>
<b>Input / Output (per Node)</b>	
<b>ACHI SATA</b>	<ul style="list-style-type: none"> <li>2x SATA3 (6Gbps) ports</li> <li>4x SATA2 (3Gbps) ports</li> </ul>
<b>SCU SATA</b>	<ul style="list-style-type: none"> <li>2x SATA2 (3Gbps) ports</li> </ul>
<b>LAN</b>	<ul style="list-style-type: none"> <li>2x RJ45 10GBase-T ports</li> <li>1x RJ45 Dedicated IPMI LAN port</li> </ul>
<b>USB</b>	<ul style="list-style-type: none"> <li>2x USB 2.0 ports total (2x rear)</li> </ul>
<b>VGA</b>	<ul style="list-style-type: none"> <li>1x VGA port</li> </ul>
<b>Serial Port / Header</b>	<ul style="list-style-type: none"> <li>1x Fast UART 16550 port / 1 Header</li> </ul>

<b>PCI-Express</b>	<ul style="list-style-type: none"> <li>1x PCI-E 3.0 (x16) Low-profile slot</li> <li>1x PCI-E 3.0 (x8) Low-profile slot</li> </ul>
<b>Drive Bays (per Node)</b>	
<b>Hot-swap</b>	<ul style="list-style-type: none"> <li>8x 2.5" Hot-swap SATA HDD trays</li> </ul>
<b>System Cooling</b>	
<b>Fans</b>	<ul style="list-style-type: none"> <li>4x 8cm heavy duty PWM fans with optimal fan speed control</li> </ul>
<b>Power Supply</b>	
1280W Redundant High-efficiency Digital Power Supplies w/ PMBus 1.2	
<b>AC Input</b>	<ul style="list-style-type: none"> <li>1000W Output @ 100-140V, 12-8A, 50-60Hz</li> <li>1280W Output @ 180-240V, 8-6A, 50-60Hz</li> </ul>
<b>DC Output</b>	<ul style="list-style-type: none"> <li>1000W: +12V/83A; +5Vsb/4A</li> <li>1280W: +12V/106.7A, +5Vsb/4A</li> </ul>
<b>Certification</b>	  <b>Platinum Certified [ Test Report ]</b>
<b>System BIOS</b>	
<b>BIOS Type</b>	<ul style="list-style-type: none"> <li>128Mb SPI Flash EEPROM with AMI BIOS</li> </ul>
<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>Plug and Play (PnP)</li> <li>APM 1.2</li> <li>PCI 2.2</li> <li>ACPI 1.0 / 2.0</li> <li>USB Keyboard support</li> <li>SMBIOS 2.3</li> <li>UEFI</li> </ul>
<b>Operating Environment / Compliance</b>	
<b>RoHS</b>	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>
<b>Environmental Spec.</b>	<ul style="list-style-type: none"> <li>Operating Temperature: 10°C to 35°C (50°F to 95°F)</li> <li>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)</li> <li>Operating Relative Humidity: 8% to 90% (non-condensing)</li> <li>Non-operating Relative Humidity: 5% to 95% (non-condensing)</li> </ul>

## Parts List

Parts List - (Items Included)			
	Part Number	Qty	Description
<b>Motherboard / Chassis</b>	MBD-X9DRT-PT	2	Super X9DRT-PT Motherboard
	CSE-217HD+-R1K28B	1	2U Chassis
<b>Backplane</b>	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.
<b>Heatsink / Retention</b>	SNK-P0048PS	4	2U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
<b>Power Supply</b>	PWS-1K28P-SQ	2	1U 1280W, redundant single output power supply