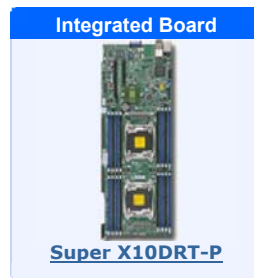


SuperServer 2028TP-DC0R

Products > Systems > 2U > [2028TP-DC0R]



Key Features

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

1. Dual socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v3 family; QPI up to 9.6GT/s
2. Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, up to 2133MHz; 16x DIMM sockets
3. 1x PCI-E 3.0 x16, 1x PCI-E 3.0 x8, and 1x "0 slot"
4. Intel® i350-AM2 Dual port GbE LAN
5. Integrated IPMI 2.0 with KVM and Dedicated LAN
6. 12x 2.5" Hot-swap SAS (8) / SATA (4) HDD Bays
7. LSI 3008 SAS3 controller (8 ports); RAID 0, 1, 10
8. mSATA (full size) support
9. 1280W Redundant Power Supplies **Platinum Level Digital (95%)**

Available Colors: Black

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

Specifications

Product SKUs	
SYS-2028TP-DC0R	▪ SuperServer 2028TP-DC0R (Black)
Motherboard	
Super X10DRT-P	
Processor/Cache (per Node)	
CPU	▪ Intel® Xeon® processor E5-2600 v3 family (up to 145W TDP) * ▪ Dual Socket R3 (LGA 2011)
Cores / Cache	▪ Up to 18 Cores / Up to 45MB Cache
System Bus	▪ QPI up to 9.6 GT/s
Note	* Please contact Supermicro Technical Support for additional information about frequency optimized CPUs and specialized system optimization.
System Memory (per Node)	
Memory Capacity	▪ 16x 288-pin DDR4 DIMM slots ▪ Up to 1TB ECC LRDIMM, 512GB ECC RDIMM
Memory Type	▪ 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit
DIMM Sizes	▪ RDIMM: 32GB, 16GB, 8GB, 4GB ▪ LRDIMM: 64GB, 32GB
Memory Voltage	▪ 1.2 V
Error Detection	▪ Corrects single-bit errors
On-Board Devices	
Chipset	▪ Intel® C612 Express chipset
SAS	▪ LSI 3008 SAS3 (12Gbps) controller; RAID 0, 1, 10 support ▪ Optional SuperCap
	▪ Support for Intelligent Platform Management Interface v.2.0

Chassis	
Form Factor	▪ 2U Rackmount
Model	▪ CSE-217HD+-R1K28B
Dimensions and Weight	
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 ▪ UID button
LEDs	▪ Power status LED ▪ HDD activity LED ▪ 2x Network activity LEDs ▪ Universal Information (UID) LED
Expansion Slots (per Node)	
PCI-Express	▪ 1x PCI-E 3.0 x16 slot ▪ 1x PCI-E 3.0 x8 slot ▪ 1x "0 slot"
0 Slot	(Both CPUs need to be installed for full access to PCI-E slots and 0 slot.)
Drive Bays (per Node)	
Hot-swap	▪ 12x 2.5" Hot-swap SAS (8) / SATA (4) HDD Bays
System Cooling	
Fans	▪ 4x 8cm heavy duty PWM fans with optimal fan speed control
Power Supply	

IPMI	<ul style="list-style-type: none"> IPMI 2.0 with virtual media over LAN and KVM-over-LAN support ASPEED AST2400 BMC
Network Controllers	<ul style="list-style-type: none"> Intel® i350-AM2 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"> ASPEED AST2400 BMC
Input / Output (per Node)	
SAS	<ul style="list-style-type: none"> 8x SAS3 (12Gbps) 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 3.0 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

1280W Redundant High-efficiency Digital Power Supplies w/ PMBus 1.2	
AC Input	<ul style="list-style-type: none"> 1000W Output @ 100-140V, 8-12A, 50-60Hz 1280W Output @ 200-240V, 6-8A, 50-60Hz
DC Output	<ul style="list-style-type: none"> 1000W: +12V/83A; +5Vsb/4A 1280W: +12V/106.7A, +5Vsb/4A
Certification	  Platinum Certified [Test Report]
System BIOS	
BIOS Type	<ul style="list-style-type: none"> 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> 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

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