

SuperServer 6018R-TD8



Integrated Board



Super X10DDW-i

Available Colors:

Black



Key Features

- **Data Center Optimized**
- **Rear I/O**

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 DDR4 2133MHz; 16x DIMM sockets
3. 2x PCI-E 3.0 x8 FHHL, 1x PCI-E 3.0 LP
4. Intel® i350 Dual port Gigabit Ethernet
5. IPMI 2.0 + KVM with Dedicated LAN
6. 8x 3.5" and 2x 2.5" Fixed SATA HDDs
7. I/O ports: 2x SuperDOM, 1x VGA, 1x COM, 2x USB 3.0, 2x USB 2.0
8. 650W High-efficiency Power Supply **Platinum Level Certified**

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

Specifications

Product SKUs

- SYS-6018R-TD8** ■ SuperServer 6018R-TD8 (**Black**)

Motherboard

Super X10DDW-i

Processor/Cache

- 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 your Supermicro sales representative for additional details.

System Memory

- Memory Capacity** ■ 16x 288-pin DDR4 DIMM sockets
 ■ 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

Chassis

- Form Factor** ■ 1U Rackmount
- Model** ■ **CSE-801STS-656DP**

Dimensions and Weight

- Width** ■ 17.2" (437mm)
- Height** ■ 1.7" (43mm)
- Depth** ■ 32" (812.8mm)
- Gross Weight** ■ 36 lbs (16.33kg)
- Available Colors** ■ Black


Front Panel

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

Expansion Slots

- PCI-Express** ■ 2x PCI-E 3.0 x8 Full-height Half-length
 ■ 1x PCI-E 3.0 Low-profile

Memory Voltage	▪ 1.2 V
Error Detection	▪ Corrects single-bit errors
On-Board Devices	
Chipset	▪ Intel® C612 Express chipset
SATA	▪ SATA3 (6Gbps); RAID 0, 1, 5, 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 ▪ ASPEED AST2400 BMC
Network Controllers	<ul style="list-style-type: none"> ▪ Dual Intel® i350 Single port Gigabit Ethernet controller ▪ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output ▪ 1x Realtek RTL8211E PHY (dedicated IPMI)
Video	▪ ASPEED AST2400 BMC
Input / Output	
SATA	▪ 10x SATA3 (6Gbps) 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 (rear) ▪ 2x USB 2.0 ports (rear) ▪ 1x Type A
Video	▪ 1x VGA port
Serial Port / Header	▪ 1x Header
DOM	▪ 2x SuperDOM (Disk on Module) ports
Management	
Software	<ul style="list-style-type: none"> ▪ Intel® Node Manager ▪ SuperDoctor® 5 ▪ IPMI 2.0 ▪ NMI ▪ SPM ▪ SUM ▪ Watch Dog
Power Configurations	<ul style="list-style-type: none"> ▪ ACPI / APM Power Management ▪ Power-on mode for AC power recovery

Drive Bays	▪ 3x 3.5" and 2x 2.5" Fixed SATA HDDs
Backplane	
1U SATA/SAS HDD Backplane	
System Cooling	
Fans	▪ 6x 40x56mm Counter-rotating PWM fans
Power Supply	
600W/650W Multi-output power supply w/ PFC for Rear I/O	
AC Voltage	<ul style="list-style-type: none"> ▪ 100-127 V, 50-60 Hz ▪ 200-240 V, 50-60 Hz
+5V	<ul style="list-style-type: none"> ▪ Max: 18 Amp ▪ Min: 0.5 Amp
+5V Standby	<ul style="list-style-type: none"> ▪ Max: 3 Amp ▪ Min: 0 Amp
+12V	<ul style="list-style-type: none"> ▪ Max: 49A (100Vac-127Vac) ▪ Max: 54A & Min: 0.5A (200Vac-240Vac)
-12V	<ul style="list-style-type: none"> ▪ Max: 0.5 A ▪ Max: 0 A
+3.3V	<ul style="list-style-type: none"> ▪ Max: 15 Amp ▪ Min: 0.5 Amp
Certification	  Platinum Certified (Cert. in progress)
System BIOS	
BIOS Type	▪ 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	<ul style="list-style-type: none"> ▪ Plug and Play (PnP) ▪ APM 1.2 ▪ PCI 2.3 ▪ ACPI 3.0 / 4.0 ▪ USB Keyboard support ▪ SMBIOS 2.7.1 ▪ UEFI 2.3.1
Operating Environment / Compliance	
RoHS	▪ 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

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X10DDW-i	1	Super X10DDW-i Motherboard
	CSE-801STS-656DP	1	1U Chassis
Backplane	BPN-SAS-801T-A4-O-P	2	4x 3.5" hard drive backplane for Cold Storage Product & SC801S,RoHS/REACH,PBF
Cable 1	CBL-0484L	2	55cm 30AWG SATA S-S cable
Cable 2	CBL-0296L	1	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG
Cable 3	CBL-SAST-0629	2	RA IPASS TO 4 SATA 95CM 30AWG,RoHS/REACH
Riser Card	RSC-R1UW-2E16-O-P	1	RSC-R1UW-2E16-O-P
Riser Card	RSC-R1UW-E8R-O-P	1	RSC-R1UW-E8R-O-P
Heatsink / Retention	SNK-P0047PS	2	1U Passive CPU Heat Sink for X9, X10 Systems Equipped w/ a Narrow ILM MB
Power Supply	PWS-656P-1H	1	1U 600/650W Multi-output power supply with PMbus RoHS/REACH,PBF