

SuperServer 6018R-TD8



Integrated Board



Super X10DDW-i

Available Colors:

Black



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

Key Features

Data Center Optimized 8x 3.5" and 2x 2.5" Fixed SATA3 Drive Bays

1. Dual socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v4[†]/ v3 family; QPI up to 9.6GT/s
2. Up to **2TB[†]** ECC 3DS LRDIMM , up to DDR4- **2400[†]**MHz ; 16x DIMM slots
3. 2x PCI-E 3.0 x16 (FHHL) slots
1x PCI-E 3.0 x8 (LP) slot
4. 8x 3.5" and 2x 2.5" Fixed SATA3 Drive Bays
5. Intel® i350 Dual-Port 1GbE LAN
6. I/O ports: 1x VGA, 2x USB 3.0, 2x USB 2.0
7. 650W High-Efficiency Power Supply **Platinum Level Certified**
8. 2x SuperDOM (Disk on Module) ports
9. IPMI 2.0 + KVM with Dedicated LAN

Specifications

Product SKUs

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

Motherboard

Super X10DDW-i

Processor/Cache

CPU ■ Intel® Xeon® processor E5-2600 v4[†]/ v3 family (up to 145W TDP) *
■ Dual Socket R3 (LGA 2011)

Cores / Cache ■ Up to **22 Cores**[†] / Up to **55MB**[†] Cache

System Bus ■ QPI up to 9.6 GT/s

Note [†] BIOS version 2.0 or above is required

Note * Please contact Supermicro Technical Support for additional information about frequency optimized CPUs and specialized system optimization.

System Memory

Memory Capacity ■ 16x 288-pin DDR4 DIMM slots
■ Up to 2TB[†] ECC 3DS LRDIMM, 1TB ECC RDIMM

Memory Type ■ **2400**[†]/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit

DIMM Sizes ■ RDIMM: 64GB, 32GB, 16GB, 8GB, 4GB
■ LRDIMM: 64GB, 32GB
■ 3DS LRDIMM: 128GB

Memory Voltage ■ 1.2 V

Error Detection ■ Corrects single-bit errors

On-Board Devices

Chipset ■ Intel® C612 chipset

SATA ■ SATA3 (6Gbps); 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
■ ASPEED AST2400 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 RTL8211E PHY (dedicated IPMI)

Video ■ ASPEED AST2400 BMC

Input / Output

SATA ■ 10x SATA3 (6Gbps) ports
■ I-SATA 4 & I-SATA 5 support SATA DOM

LAN ■ 2x RJ45 Gigabit Ethernet LAN ports
■ 1x RJ45 Dedicated IPMI LAN port

Chassis

Form Factor ■ 1U Rackmount

Model ■ **CSE-801STS-656DP**

Dimensions and Weight

Width ■ 17.2" (437mm)

Height ■ 1.7" (43mm)

Depth ■ 32" (812.8mm)

Package ■ 23.5" (W) x 7.8" (H) x 40.1" (L)

Gross Weight ■ 42 lbs (19.05 kg)

Available Colors ■ Black

Front Panel

Buttons ■ Power On/Off button
■ System Reset button

LEDs ■ Power status LED
■ HDD activity LED
■ Network activity LED
■ Universal Information (UID) LED

Expansion Slots

PCI-Express ■ 2x PCI-E 3.0 x16 (FHHL) slots
■ 1x PCI-E 3.0 x8 (LP) slot

Drive Bays

Hot-swap ■ 8x 3.5" and 2x 2.5" Fixed SATA3 Drive Bays

Backplane

1U SATA/SAS HDD Backplane

System Cooling

Fans ■ 6x 4cm fans with optimal fan speed control

Power Supply

600W/650W Multi-output power supply w/ PFC for Rear I/O

AC Input ■ 100-127V, 50-60Hz
■ 200-240V, 50-60Hz

DC Output ■ +3.3V: 15A (Max.); 0.5A (Min.)
■ +5V: 18A (Max.); 0.5A (Min.)
■ +5V standby: 3A
■ +12V: 49A (100-127Vac)
54A (200-240Vac)
■ -12V: 0.5A

Certification



Platinum Level
[[Test Report](#)]

System BIOS

BIOS Type ■ 128Mb SPI Flash EEPROM with AMI BIOS

USB	<ul style="list-style-type: none"> 3x USB 3.0 ports (2 rear, 1 Type A) 4x USB 2.0 ports (2 rear, 2 headers)
Video	<ul style="list-style-type: none"> 1x VGA port
Serial Port / Header	<ul style="list-style-type: none"> 1x COM port (header)
DOM	<ul style="list-style-type: none"> 2x SuperDOM (Disk on Module) ports

Management

Software	<ul style="list-style-type: none"> <u>IPMI 2.0</u> Intel® Node Manager <u>SuperDoctor® 5</u> SSM <u>SPM</u> <u>SUM</u> Watch Dog
Power Configurations	<ul style="list-style-type: none"> ACPI / APM Power Management Power-on mode for AC power recovery

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
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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)

Список деталей

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	2	4-port 1U CSE-801 backplane with thermistor and individual HDD power cycle, support up to 4x 3.5-inch HDD/SSD
Cable 1	CBL-0296L	1	4 pin to 4 pin fan extension cord, for PWM fan. 23cm. 24AWG
Cable 2	CBL-0484L	2	SATA,INT,ROUND,ST-ST,55CM,30AWG
Cable 3	CBL-SAST-0629	2	MINI SAS(RA)-4 SATA(ST),INT,95CM, 30 AWG
Manual	MNL-1696-QRG	1	SYS-6018R-TD8, QRG,HF,RoHS/REACH
Riser Card	RSC-R1UW-2E16	1	1U LHS WIO Riser card with two PCI-E x16 slots
Riser Card	RSC-R1UW-E8R	1	1U RHS WIO Riser card with one PCI-E x8 slot
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
FAN 1	FAN-0101L4	6	40x56,4 Pin PWM,Primary for SC809,111, Sec.for SC816,819,808
Rear Window	MCP-240-80102-0N	1	I/O window w/ MB side for X10 DDW in SC801S/SC815/SC113, D-rear window (Changeable), single PWS,RoHS/REACH

Optional Parts List

	Part Number	Qty	Description
Network Card(s)	AOC-SGP-i2	-	Standard LP, 2x GbE RJ45, PCI-E x4, Intel® i350AM2
	AOC-SGP-i4	-	Standard LP, 4x GbE RJ45, PCI-E x4, Intel® i350
	AOC-SG-i2	-	Standard LP, 2x GbE RJ45, PCI-E x4, Intel® 82575EB
	AOC-SG-i4	-	Standard LP, 4x GbE RJ45, PCI-E x4, Intel® 82576EB
	AOC-STG-b4S	-	Standard LP, 4x 10GbE SFP+, PCI-E x8, Broadcom® BCM57840S
	AOC-STGN-i2S	-	Standard LP, 2x 10GbE SFP+, PCI-E x8, Intel® 82599ES
	AOC-STGN-i1S	-	Standard LP, 1x 10GbE SFP+, PCI-E x8, Intel® 82599ES
	AOC-STG-i2T	-	Standard LP, 2x 10GbE RJ45, PCI-E x8, Intel® X540
	AOC-STG-i2	-	Standard LP, 2x 10GbE CX4, PCI-E x8, Intel® 82598EB
	Global Services & Support	<u>OS4HR3/2/1</u>	-
<u>OSNBD3/2/1</u>		-	3/2/1-year onsite NBD service
Software	<u>SFT-OOB-LIC</u> • eStore	1	OOB Management Package (per node license)
Software	<u>SFT-DCMS-Single</u>	1	DataCenter Management Package (per node license)