

SuperServer 6018R-TDW

Products ▶ Systems ▶ 1U ▶ [6018R-TDW]



Integrated Board



Super X10DDW-i



Key Features

- Data Center Optimized
- 3 AOCs and 1 AOM SAS3 Mezzanine Card

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. 4x 3.5" Hot-swap 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. 600W High-Efficiency Power Supply
Platinum Level Certified
8. 2x SuperDOM (Disk on Module) ports
9. IPMI 2.0 + KVM with Dedicated LAN

Available Colors:

Black



[Drivers & Utilities](#) ▶
 [BIOS](#) ▶
 [IPMI](#) ▶
 [Tested Memory](#) ▶
 [Manuals](#) ▶
 [OS Certification Matrix](#) ▶
 [Quick-References Guide](#) ▶
 [Drive Options](#)

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-TDW** ■ SuperServer 6018R-TDW (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

- Intel® i350 Dual Port Gigabit Ethernet

Chassis

- Form Factor** ■ 1U Rackmount

- Model** ■ CSE-815TQ-600WB

Dimensions and Weight

- Width** ■ 17.2" (437mm)

- Height** ■ 1.7" (43mm)

- Depth** ■ 25.6" (650mm)

- Package** ■ 23.5" (W) x 8.5" (H) x 33.7" (L)

- Weight** ■ Net Weight: 22 lbs (10.0 kg)
■ Gross Weight: 46 lbs (20.9 kg)

- 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

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

Drive Bays

- Hot-swap** ■ 4x 3.5" Hot-swap SATA3 Drive Bays

Peripheral Drives

- DVD-ROM** ■ 1x Slim DVD-ROM drive (optional)

Backplane

SAS2/SATA3 Backplane

System Cooling

- Fans** ■ 5x 4cm fans with optimal fan speed control

Power Supply

600W High-Efficiency Power Supply w/PMBus 1.2, I²C, PFC, and Digital Switching

- AC Input** ■ 100-240V, 50-60Hz, 7.5A max

- +3.3V: 15A

Network Controllers	- overhead - Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8211E PHY (dedicated IPMI)
Video	ASPEED AST2400 BMC
Input / Output	
SATA	4x 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
USB	3x USB 3.0 ports (2 rear, 1 Type A) 4x USB 2.0 ports (2 rear, 2 headers)
Video	1x VGA port
Serial Port / Header	1x COM port (header)
DOM	2x SuperDOM (Disk on Module) ports
Management	
Software	- IPMI 2.0 - Intel® Node Manager - SuperDoctor® 5 - SSM - SPM - SUM - Watch Dog
Power Configurations	- ACPI / APM Power Management - Power-on mode for AC power recovery

DC Output	+5V: 18A +5V standby: 3A +12V: 49A -12V: 0.5A
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 2.3 - ACPI 1.0 / 2.0 / 3.0 / 4.0 - USB Keyboard support - SMBIOS 2.7.1 - UEFI 2.3.1
Operating Environment / Compliance	
RoHS	RoHS Compliant
Environmental Spec.	- Operating Temperature: 5°C to 40°C (41°F to 104°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

[See Parts List](#)

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