

SuperServer 6018R-WTRT

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Key Features

- Dual socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v4/v3 family; QPI up to 9.6GT/s
- Up to 2TB[†] ECC 3DS LRDIMM, up to DDR4-2400MHz; 16x DIMM slots
- 2x PCI-E 3.0 x16 (FHHL) - AOC support
- Intel® X540 Dual port 10GBase-T
- 4x 3.5" Hot-swap SAS/SATA HDD Bays for Customizable Storage
- I/O ports: 2x SuperDOM, 1x VGA, 1x Serial, 6x USB 3.0 (4 rear)
- 750W Redundant Power Supplies **Platinum Level** High-efficiency

Views: | [Angled View](#) | [Top View](#) | [Front View](#) | [Rear View](#) |

[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-WTRT	SuperServer 6018R-WTRT (Black)
Motherboard	
Super X10DRW-IT	
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 * Please contact Supermicro Technical Support for additional information about frequency optimized CPUs and specialized system optimization.
Note	
System Memory	
Memory Capacity	16x 288-pin DDR4 DIMM slots Up to 2TB [†] ECC 3DS LRDIMM/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 via Intel® C612; RAID 0, 1, 5, 10 Support for Intelligent Platform Management Interface v.2.0
IPMI	IPMI 2.0 with virtual media over LAN and KVM-over-LAN support ASPEED AST2400 BMC
Network Controllers	Intel® X540 Dual Port 10GBase-T Virtual Machine Device Queues reduce I/O overhead Supports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8211E PHY (dedicated IPMI)
Graphics	ASPEED AST2400 BMC
Input / Output	
SATA/SAS	10x SATA3 (6Gbps) ports
LAN	2x RJ45 10GBase-T ports 1x RJ45 Dedicated IPMI LAN port
USB	6x USB 3.0 ports (4 rear + 2 via header)
Video	1x VGA port
Serial Port / Header	1x Header
DOM	2x SuperDOM (Disk on Module) ports
Management	
Software	SuperDoctor® 5 Watch Dog NM IPMI 2.0 Intel Node Manager
Power Configurations	ACPI / APM Power Management Power-on mode for AC power recovery

Chassis	
Form Factor	1U Rackmount
Model	CSE-815TQ-R706WB
Dimensions and Weight	
Width	17.2" (437mm)
Height	1.7" (43mm)
Depth	25.6" (650mm)
Weight	Net Weight: 25.5 lbs (11.6 kg) Gross Weight: 39 lbs (17.7 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	
	2x PCI-E 3.0 x16 (Full-height, Half-length) 1x PCI-E 3.0 x8 Mezzanine for HBA cards UIO AOC Compatibility Matrix
PCI-Express	(Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram and AOC Support for details.)
Drive Bays	
Hot-swap	4x 3.5" Hot-swap SAS / SATA HDD trays (ready for PCI-E storage controller card)
Peripheral Drives	
DVD-ROM	Slim DVD-ROM drive (optional)
Backplane	
	SAS/SATA HDD Backplane (SAS support requires optional SAS controller)
System Cooling	
Fans	5x 4cm Counter-rotating PWM fans
AC/DC240V Input Redundant Power Supply	
	700W/750W Redundant Power Supplies with PMBus
Total Output Power	700W/750W
Dimension (W x H x L)	54.5 x 40.25 x 320 mm
Input	100 - 140Vac / 8 - 6A / 50-60Hz 200 - 240Vac / 4.5 - 3.8A / 50-60Hz 200 - 240Vdc / 4.5 - 3.8A (CCC Only)
+12V	Max: 58A / Min: 0.5A (100 - 140Vac) Max: 62A / Min: 0.5A (200 - 240Vac) Max: 62A / Min: 0.5A (200 - 240Vdc) (CB/CCC Only)
+5V sb	Max: 3A / Min: 0A
Output Type	Gold Finger Connector Mating with Molex 45984-4343
Certification	UL/cUL/CB/BSM/ICE/CCC Platinum Certified [Test Report]
System BIOS	
BIOS Type	128Mb SPI Flash EEPROM with AMI BIOS Plug and Play (PnP) APM 1.2 PCI 2.2
BIOS Features	ACPI 1.0 / 2.0 / 3.0 / 4.0 BIOS resume hot keys USB Keyboard support SMBIOS 2.3 UEFI
Operating Environment / Compliance	
RoHS	RoHS Compliant
Environmental Spec.	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

[See Parts List](#)