

SuperServer 6018TR-T



Available Colors:

Black



Key Features

Two systems (nodes) in a 1U 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 512GB ECC DDR4 2133MHz; 8x DIMM slots
3. 1x PCI-E 3.0 x16 (in x16) slot
4. 2x 3.5" Hot-swap SAS/SATA drive bays
5. Intel® i350 Dual port GbE LAN
6. I/O ports: 2x SuperDOM, 1x VGA, 1x COM, 2x USB 2.0 (rear)
7. 1000W High-efficiency Power Supply
Titanium 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-6018TR-T** ■ SuperServer 6018TR-T (**Black**)

Motherboard

Super X10DRT-L

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 Supermicro Technical Support for additional information about frequency optimized CPUs and specialized system optimization.

System Memory

- Memory Capacity** ■ 8x 288-pin DDR4 DIMM slots
■ Up to 512GB ECC LRDIMM, 256GB ECC RDIMM

- Memory Type** ■ 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit

- DIMM Sizes** ■ RDIMM: 64GB, 16GB, 8GB, 4GB

Chassis

- Form Factor** ■ 1U Twin

- Model** ■ CSE-808TS-1K03B

Dimensions and Weight

- Width** ■ 17.2" (437mm)

- Height** ■ 1.75" (44.45mm)

- Depth** ■ 27.75" (705mm)

- Gross Weight** ■ 43 lbs (19.5kg)

- 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 (in x16) slot

RDIMM: 64GB, 32GB

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 ▪ Supports 10GBASE-T, 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Video	▪ ASPEED AST2400 BMC
Input / Output	
Serial ATA	▪ 10x SATA3 (6Gbps) ports
LAN	▪ 2x RJ45 Gigabit Ethernet LAN ports ▪ 1x RJ45 Dedicated IPMI LAN port
USB	▪ 2x USB 2.0 ports (rear)
Video	▪ 1x VGA port
Serial Port / Header	▪ 1x COM port (1 header)
DOM	▪ 2x SuperDOM (Disk on Module) ports
Management	
Software	▪ Intel® Node Manager ▪ IPMI 2.0 ▪ NMI ▪ SuperDoctor® 5 ▪ Watch Dog
Power Configurations	▪ ACPI Power Management ▪ Power-on mode for AC power recovery

Drive Bays (per node)	▪ 2x 3.5" Hot-swap drive bays
Backplane	
SAS/SATA HDD Backplane	
System Cooling (per node)	
Fans	▪ 3x 40x56mm counter-rotation PWM fans
Power Supply	
1000W Titanium Level (96%) High-efficiency AC-DC power supply with PMBus and I2C	
AC Input	▪ 100-240 V, 50-60 Hz, 11-4.5 Amp
DC Output	▪ 4 Amp @ +5V standby ▪ 75 Amp @ +12V
Certification	  Titanium Level Certified [Test Report]
System BIOS	
BIOS Type	▪ 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	▪ Plug and Play (PnP) ▪ 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.	▪ 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-X10DRT-L	1	Super X10DRT-L Motherboard
	CSE-808TS-1K03B	1	1U Chassis
Backplane	BPN-SAS-808	1	SAS808 Backplane for 1U Twin
Cable 1	CBL-0201L	1	SATA SET OF 4 51/47/41/37CM. S-RA. 26AWG
Riser Card	RSC-R1UTP-E16R	2	,RoHS/REACH,PBF
Heatsink / Retention	SNK-P0047PW	2	1U Passive Custom Rear CPU Heat Sink for X9, X10 1U Twin, 2U Twin^2 8-DIMM per Node Series Servers
Heatsink / Retention	SNK-P0047PS	2	1U Passive CPU Heat Sink for X9, X10 Systems Equipped w/ a Narrow ILM MB
Power Supply	PWS-1K03A-1R	1	1U 1000W Redundant Power Supply Titanium W/PMbus 76x365x40mm,RoHS/REACH
Fan	FAN-0085L4	6	40x56, 4 pin PWM
Air Shroud	MCP-310-19015-0N	1	SC813M,SC113M, DP X9DRL-EF/ X9DRL-7F/ X10DRL-i, X9/X10 mylar air shroud, 12"x10" MB,RoHS/REACH
I/O Shield	MCP-260-00061-0N	1	1U I/O Shield for X9DB3/X9DBi/X9DB3-F/X9DBi-F/X10DRL-CT with EMI Gasket,RoHS/REACH

Optional Parts List

	Part Number	Qty	Description
Onsite Service Program	OS4HR3/2/1	-	3/2/1-year onsite 24x7x4 service
Onsite Service Program	OSNBD3/2/1	-	3/2/1-year onsite NBD service
Software	SFT-OOB-LIC	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)