

SuperServer 6018R-TDTP



Integrated Board



[\(/products/motherboard/Xeon/C600/X10DRD-](#)

[LTP.cfm\)](#).

Super X10DRD-LTP ([/products/motherboard/Xeon/C600/X10DRD-LTP.cfm\)](#)

Available Colors: Black 

[Drivers & Utilities](#) [BIOS](#) [IPMI](#) [Tested Memory](#) [Manuals](#)

[OS Certification Matrix](#)
[\(/support/resources/OS/OS_Certification_Intel.cfm?MProduct_Name=SYS%2D6018R%2DTDTP\)](#).

[Quick-References Guide](#) [Drive Options](#)

Key Features

Data Center Optimized
2x 10GbE SFP+ Ports

- 1. Dual socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v4[†]/ v3 family; QPI up to 9.6GT/s
- 2. Up to **1TB[†]** ECC 3DS LRDIMM , up to DDR4- **2400[†]**MHz ; 8x DIMM slots
- 3. 1x PCI-E 3.0 x8 (FHHL) slot
- 4. 4x 3.5" Hot-swap SATA3 Drive Bays
- 5. Intel® 82599ES Dual-Port 10GbE LAN with SFP+
- 6. I/O ports: 1x VGA, 1x COM, 4x 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

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

Specifications

Product SKUs

SYS-6018R-TDTP
SuperServer 6018R-TDTP (**Black**)

Motherboard

Super X10DRD-LTP
(</products/motherboard/Xeon/C600/X10DRD-LTP.cfm>).

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
8x 288-pin DDR4 DIMM slots
Up to 1TB[†] ECC 3DS LRDIMM, 512GB 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® 82599ES Dual port 10G SFP+
Virtual Machine Device Queues reduce I/O overhead
Supports 10G SFP+
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

Chassis

Form Factor
1U Rackmount
Model
CSE-815TQ-600CB (</products/chassis/1U/815/SC815TQ-600C.cfm>).

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)
Gross Weight
36 lbs (16.33 kg)
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
1x PCI-E 3.0 x8 (FHHL) 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 S
AC Input
100-240V, 50-60Hz

LAN
2x 10 Gigabit Ethernet SFP+ ports
1x RJ45 Dedicated IPMI LAN port

USB
7x USB 2.0 ports
(4 rear, 2 headers, 1 Type A)

Video
1x VGA port

Serial Port / Header
2x COM ports (1 rear, 1 header)

DOM
2x Super**DOM** (**/SATADOM/**). (Disk on Module) ports

Management

Software
[IPMI 2.0](/products/nfo/IPMI.cfm) (</products/nfo/IPMI.cfm>).
Intel® Node Manager
[SuperDoctor® 5](/products/nfo/SMS_SD5.cfm) (/products/nfo/SMS_SD5.cfm).
[SSM](/products/nfo/SMS_SSM.cfm) (/products/nfo/SMS_SSM.cfm).
[SPM](/products/nfo/SMS_SPM.cfm) (/products/nfo/SMS_SPM.cfm).
[SUM](/products/nfo/SMS_SUM.cfm) (/products/nfo/SMS_SUM.cfm).
Watch Dog

Power Configurations
ACPI / APM Power Management
Power-on mode for AC power recovery

DC Output
+3.3V: 15A
+5V: 18A
+5V standby: 3A
+12V: 49A
-12V: 0.5A

Certification

(<http://www.plugloadsolutions.com/80PlusPowerSupply?id=69&type=2>).
Platinum Certified
[[Test Report](/products/powersupply/80PLUS/80PLU1H.pdf) (</products/powersupply/80PLUS/80PLU1H.pdf>)]

System BIOS

BIOS Type
128Mb SPI Flash EEPROM with AMI BIOS

BIOS Features
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.
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:

Parts List

Global SKU (/en/products/SMC_global_skus)