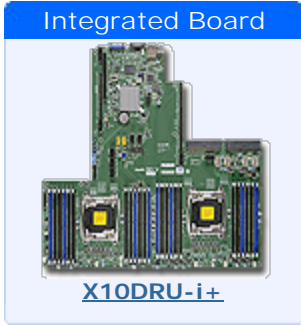


# SuperServer 6018U-TRTP+ (Complete System Only)



## Key Features

1. Dual socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v4<sup>†</sup>/ v3 family; QPI up to 9.6GT/s
2. Up to 3TB<sup>†</sup> ECC 3DS LRDIMM , up to DDR4- 2400<sup>†</sup>MHz ; 24x DIMM slots
3. 2x PCI-E 3.0 x16 slots (FH, 10.5" L), 2x PCI-E 3.0 x8 slots (LP, 1 internal)
4. 2x 10G SFP+ ports
5. 4x 3.5" Hot-swap Drive Bays
6. 4x heavy duty fans w/ optimal fan speed control
7. I/O ports: 2x SuperDOM, 1x VGA, 1x Serial, 5x USB 3.0
8. 750W Redundant Power Supplies Platinum Level (94%+)

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

Due to the complexity of integration, this product is sold as completely assembled systems only (with minimum 2 CPU and 4 DIMM). Please contact your Supermicro sales rep for special requirements.

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

## Specifications

Product SKUs	
SYS-6018U-TRTP+	<ul style="list-style-type: none"> <li>SuperServer 6018U-TRTP+ (Black)</li> </ul>
Motherboard	
Super X10DRU-i+	
Processor/Cache	
CPU	<ul style="list-style-type: none"> <li>Intel® Xeon® processor E5-2600 v4<sup>†</sup>/ v3 family (up to 160W TDP) *</li> <li>Dual Socket R3 (LGA 2011)</li> </ul>
Cores / Cache	<ul style="list-style-type: none"> <li>Up to 22 Cores<sup>†</sup> / Up to 55MB<sup>†</sup> Cache</li> </ul>
System Bus	<ul style="list-style-type: none"> <li>QPI up to 9.6 GT/s</li> </ul>
Note	<ul style="list-style-type: none"> <li><sup>†</sup> BIOS version 2.0 or above is required</li> </ul>
Note	<ul style="list-style-type: none"> <li>* Please contact Supermicro Technical Support for additional information about frequency optimized CPUs and specialized system optimization.</li> </ul>

Chassis	
Form Factor	<ul style="list-style-type: none"> <li>1U Rackmount</li> </ul>
Model	<ul style="list-style-type: none"> <li>CSE-819UTQ-R750</li> </ul>
Dimensions and Weight	
Height	<ul style="list-style-type: none"> <li>1.7" (43mm)</li> </ul>
Width	<ul style="list-style-type: none"> <li>17.2" (437mm)</li> </ul>
Depth	<ul style="list-style-type: none"> <li>29.0" (737mm)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>Net Weight: 26 lbs (11.8 kg)</li> <li>Gross Weight: 41 lbs (18.6 kg)</li> </ul>
Available Color	<ul style="list-style-type: none"> <li>Black</li> </ul>
Front Panel	
Buttons	<ul style="list-style-type: none"> <li>Power On/Off button</li> <li>System Reset button</li> </ul>
LEDs	<ul style="list-style-type: none"> <li>Power LED</li> <li>Hard drive activity LED</li> <li>2x Network activity LEDs</li> <li>System Overheat LED / Fan fail LED / UID LED</li> </ul>

System Memory	
Memory Capacity	<ul style="list-style-type: none"> <li>24x 288-pin DDR4 DIMM slots</li> <li>Up to 3TB<sup>†</sup> ECC 3DS LRDIMM, 768 ECC RDIMM</li> </ul>
Memory Type	<ul style="list-style-type: none"> <li>2400<sup>†</sup>/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit</li> </ul>
DIMM Sizes	<ul style="list-style-type: none"> <li>64GB, 32GB, 16GB, 8GB, 4GB</li> </ul>
Memory Voltage	<ul style="list-style-type: none"> <li>1.2 V</li> </ul>
Error Detection	<ul style="list-style-type: none"> <li>Corrects single-bit errors</li> </ul>

On-Board Devices	
Chipset	<ul style="list-style-type: none"> <li>Intel® C612 chipset</li> </ul>
SATA	<ul style="list-style-type: none"> <li>SATA3 (6Gbps) with RAID 0, 1, 5, 10</li> </ul>
IPMI	<ul style="list-style-type: none"> <li>Support for Intelligent Platform Management Interface v.2.0</li> <li>IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li> <li>ASPEED AST2400 BMC</li> </ul>
Network Connectivity	<ul style="list-style-type: none"> <li>2x 10G SFP+ ports via <a href="#">AOC-URN2-I2XS</a></li> <li>Intel® 82599ES 10G SFP+</li> <li>1x Realtek RTL8211E PHY (dedicated IPMI)</li> </ul>
Graphics	<ul style="list-style-type: none"> <li>ASPEED AST2400 BMC</li> </ul>

Input / Output	
SATA	<ul style="list-style-type: none"> <li>4x SATA3 (6Gbps) ports</li> </ul>
LAN	<ul style="list-style-type: none"> <li>2x 10G SFP+ ports</li> <li>1x RJ45 Dedicated IPMI LAN port</li> </ul>
USB	<ul style="list-style-type: none"> <li>5x USB 3.0 ports (2 rear, 2 onboard header, 1 Type A)</li> </ul>
Video	<ul style="list-style-type: none"> <li>1x VGA Connector</li> </ul>
Serial Port	<ul style="list-style-type: none"> <li>1x Serial header</li> </ul>
DOM	<ul style="list-style-type: none"> <li>2x SATA <a href="#">DOM</a> (Disk on Module) support with embedded power</li> </ul>


System BIOS	
BIOS Type	<ul style="list-style-type: none"> <li>128Mb SPI Flash EEPROM with AMI BIOS</li> </ul>
BIOS Features	<ul style="list-style-type: none"> <li>Plug and Play (PnP)</li> <li>APM 1.2</li> <li>PCI 2.3</li> <li>ACPI 1.0 / 2.0 / 3.0 / 4.0</li> <li>USB Keyboard support</li> <li>SMBIOS 2.7.1</li> <li>UEFI 2.3.1</li> </ul>

Management	
Software	<ul style="list-style-type: none"> <li><a href="#">SuperDoctor® 5</a></li> <li>Intel® Node Manager 3.0</li> <li>Watch Dog</li> <li>NMI</li> <li><a href="#">SUM</a> and <a href="#">SSM</a></li> <li>Optional IPMI 1.5 / 2.0</li> </ul>
Power Configurations	<ul style="list-style-type: none"> <li>ACPI Power Management</li> <li>Power-on mode for AC power recovery</li> </ul>

Expansion Slots	
PCI-Express	<ul style="list-style-type: none"> <li>2x PCI-E 3.0 x16 slots (Full-height, 10.5" L)</li> <li>2x PCI-E 3.0 x8 slots (Low-profile, 1 internal)</li> </ul> <p>(Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram and <a href="#">AOC Support</a> for details.)</p>

Drive Bays	
Hot-swap	<ul style="list-style-type: none"> <li>4x 3.5" Hot-swap drive bays</li> </ul>

System Cooling	
Fans	<ul style="list-style-type: none"> <li>4x heavy duty fans with optimal fan speed control</li> <li>4x additional fans optional</li> </ul>
Air Shroud	<ul style="list-style-type: none"> <li>1x Air Shroud</li> </ul>

Power Supply	
750W Redundant AC-DC Power Supplies, +12V/+12Vsb output	
AC Input	<ul style="list-style-type: none"> <li>100-127Vac, 50-60Hz</li> <li>200-240Vac, 50-60Hz</li> </ul>
+12V	<ul style="list-style-type: none"> <li>Max: 62.5A &amp; Min: 0A (100Vac-127Vac)</li> <li>Max: 62.5A &amp; Min: 0A (200Vac-240Vac)</li> </ul>
12V SB	<ul style="list-style-type: none"> <li>Max: 2.1A</li> <li>Min: 0A</li> </ul>
Certification	 Platinum Level <a href="#">[ Test Report ]</a>

PC Health Monitoring	
Voltage	<ul style="list-style-type: none"> <li>Monitors for CPU Cores, +1.8V, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory Voltages.</li> <li>5+1 Phase-switching voltage regulator</li> </ul>
FAN	<ul style="list-style-type: none"> <li>8x 4-pin fan headers</li> <li>Status monitor for speed control</li> <li>Pulse Width Modulated (PWM) fan connectors</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>Support to monitor Supermicro AOC temperatures from IPMI or SD 5</li> <li>Monitoring for CPU and chassis environment</li> <li>CPU thermal trip support</li> <li>Thermal Control for 8x Fan Connectors</li> <li>Thermal Monitor 2 (TM2) support</li> <li>PECI</li> </ul>
LED	<ul style="list-style-type: none"> <li>Memory DIMM ECC error LEDs</li> <li>CPU / System Overheat LED</li> <li>Suspend static indicator LED</li> <li>UID/Remote UID</li> </ul>
Other Features	<ul style="list-style-type: none"> <li>4x 8-pin GPU power connectors</li> <li>Chassis intrusion detection</li> <li>Chassis intrusion header</li> <li>SDDC Support</li> <li>RoHS</li> </ul>

Operating Environment / Compliance	
RoHS	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>
	<ul style="list-style-type: none"> <li>Operating Temperature: 10°C to 35°C (50°F to 95°F)</li> <li>Non-operating Temperature:</li> </ul>

Environmental  
Spec.

- 40°C to 60°C (-40°F to 140°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-X10DRU-i+	1	Super X10DRU-i+ Motherboard
	CSE-819UTQ-R750	1	CSE-819UTQ-R750 Chassis
Air Shroud	MCP-310-81903-0B	1	Mylar air shroud set for SC819U,119U (X10DRU+),HF
Add-on Card / Module	AOC-URN2-I2XS	1	1U Ultra Riser based on Intel 82599ES controller with 2 10Gb SFP+ ports, 2 NVMe ports, and 1 internal PCI-E x8 3.0 slot
Backplane	BPN-SAS-815TQ	1	Sup 4x SAS/SATA;SATA con
Cable 1	CBL-SAST-0654	1	RA side exit (right) IPASS TO 4 SATA, 52/42/41/51CM w/52cm SB, 30AWG,RoHS/REACH
Cable 2	CBL-PWEX-0702	1	8 pin female to RA(Right Angle) big 4 pin female power, 32cm, 18AWG, pinout 5-1, 3-2, 4-3, 7-4,RoHS/REACH
Parts	MCP-120-81905-0N	1	Internal AOC bracket for SC819U, 119U (Type-2)
Label	LBL-0108	1	CAUTION LABEL FOR REDUNDANT PWR SYSTEMS
Manual	MNL-1679-QRG	1	SYS-6018U-TR(4/4T/T/TP)+, QRG,HF,RoHS/REACH
Parts	MCP-150-00009-0B	1	Internal AOC rubber support for SC819U, 119U
Riser Card	RSC-R1UW-2E16	1	RSC-R1UW-2E16-O-P
Riser Card	RSC-R1UW-E8R	1	RSC-R1UW-E8R-O-P
Rear Window	MCP-240-81910-0N	1	Rear window for SC819U, 119U tool-less chassis (i2XS)
Heatsink / Retention	SNK-P0047PS	2	1U Passive CPU Heat Sink for X9, X10 Systems Equipped w/ a Narrow ILM MB
Power Supply	PWS-751P-1R	2	1U 750W Redundant Platinum Single Output Power Supply w/Pmbus W73.5xH40xL203mm,RoHS/REACH
Mounting Rails	MCP-290-00102-0N	1	Outer rail, quick-release type, 25.6" to 33.05"
	MCP-290-00120-0N	1	Inner rail, front, quick-release type (thumb screw applied)

### Optional Parts List

	Part Number	Qty	Description
Mounting Rails	MCP-290-00062-0N	-	Inner/outer rail set, quick-release type, 25.6" to 33.05"
	MCP-290-00064-0N	-	Thumb screw adapter of inner rail for 1U 17.2"
	MCP-290-00052-0N-BULK	-	Bulk outer rail, quick-release type, 25.6" to 33.05" (10 sets/pack)
10GbE SFP+ Direct Attach Cable (DAC, copper wire)	CBL-0347L	-	1M 10G SFP+ to SFP+ Passive Copper M-M Pull type 30AWG
	CBL-0348L	-	3M 10G SFP+ to SFP+ Passive Copper M-M Pull type 24AWG
	CBL-0349L	-	5M 10G SFP+ to SFP+ Passive Copper M-M Pull type 24AWG
	CBL-NTWK-0347	-	1M 10G SFP+ to SFP+ Passive Copper M-M Push type 30AWG
	CBL-NTWK-0456	-	2M 10G SFP+ to SFP+ Passive Copper M-M Push type 30AWG
Storage Control Card and Cable(s)	AOC-S3008L-L8e & 1x CBL-SAST-0616	-	Std LP, 8 internal ports, 12Gb/s per port- Gen3, 122HDD, HBA; Internal mini SAS HD to 4 SATA 50CM, S, w/50cm SB
	AOC-S3008L-L8i & 1x CBL-SAST-0616	-	Std LP, 8 internal ports, 12Gb/s per port- Gen3, 63HDD, RAID 0,1,1E; Internal mini SAS HD to 4 SATA 50CM, S, w/50cm SB
	AOC-S3108L-H8iR & 1x CBL-SAST-0616	-	Std LP, 8 internal ports, 12Gb/s per port- Gen3, 240HDD, RAID 0, 1, 5, 6, 10, 50, 60; Internal mini SAS HD to 4 SATA 50CM, S, w/50cm SB
Network Card(s)	AOC-S40G-i2Q	-	Standard LP 2-port 40GbE controller, based on Intel Fortville XL710
	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-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 82599EN
	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

CacheVault(s)	BTR-CV3108-1U1 BTR-TFM8G-LSICVM02 & BKT-BBU-BRACKET-05	-	CacheVault for LSI 3108 with Supercap mounting in 1U 40x56 fan tray
	BTR-TFM8G-LSICVM02 & MCP-240-00127-0N	-	CacheVault for LSI 3108; Supercap mounting bracket for PCI-E location CacheVault for LSI 3108; Supercap mounting bracket for 2.5" HDD location
Hot-swap 3.5" to 2.5" Hard Disk Drive Tray	MCP-220-00043-0N	-	Black hot-swap 3.5" to 2.5" HDD tray
DVD-ROM / DVD-RW	DVM-PNSC-DVD-SBT3 DVM-TEAC-DVD-SBT3 DVM-PLDS-DVDRW-SBT4	1	SLIM DVD-ROM / DVD-RW SATA DRIVE
DVD-ROM / DVD-RW InstallationKit	MCP-220-81502-0N	1	Slim SATA DVD kit
Internal 2.5" HDD Tray (FDD Slot)	MCP-220-83601-0B	1	Black FDD dummy tray support 1x 2.5" slim HDD
Internal 2.5" HDD Tray (DVD Slot)	MCP-290-00036-0B	1	Black DVD dummy tray support 1x 2.5" HDD
USB/COM Port Tray (FDD Slot)	CSE-PT40L-B0	1	Black USB/COM port tray in slim FDD bay
Fan	FAN-0101L4	Up to 4	40x40x56 mm, 14.4K-10.7K RPM Counter-rotating Cooling Fan
Onsite Service Program	<a href="#">OS4HR3/2/1</a>	-	3/2/1-year onsite 24x7x4 service
Onsite Service Program	<a href="#">OSNBD3/2/1</a>	-	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)