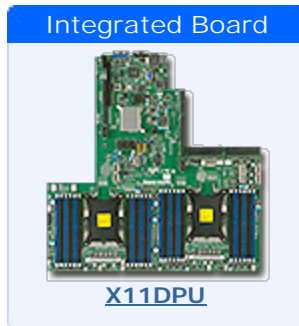


# SuperServer 6019U-TRTP (Complete System Only)



## Key Features

- Virtualization
- Cloud Computing
- High End Enterprise Server

1. Dual socket P (LGA 3647) supports Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
2. Up to 3TB ECC 3DS LRDIMM or RDIMM, up to DDR4-2666MHz; 24 DIMM slots
3. 2 PCI-E 3.0 x16 slots (FH, 10.5" L), 2 PCI-E 3.0 x8 slots (1 LP, 1 internal LP)
4. 2 10G SFP+ Ethernet ports
5. 4 Hot-swap 3.5" Drive Bays
6. 8 Heavy duty fans w/ optimal fan speed control
7. 750W Redundant Power Supplies Platinum Level (94%+)

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.

[▶ Drivers & Utilities](#)
[▶ BIOS](#)
[▶ IPMI](#)
[▶ Tested Memory](#)
[▶ OS Certification Matrix](#)
[▶ 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-6019U-TRTP	▪ SuperServer 6019U-TRTP (Black)
Motherboard	
Super X11DPU	
Processor/Cache	
CPU	<ul style="list-style-type: none"> <li>▪ Dual Socket P (LGA 3647)</li> <li>▪ Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s</li> <li>▪ Support CPU TDP 70-205W</li> </ul>
Cores	▪ Up to 28 Cores with Intel® HT Technology
System Memory	
Memory Capacity	<ul style="list-style-type: none"> <li>▪ 24 DIMM slots</li> <li>▪ Up to 3TB ECC 3DS LRDIMM, 3TB ECC RDIMM, DDR4 up to 2666MHz</li> </ul>
Memory Type	▪ 2666/2400/2133MHz ECC DDR4 SDRAM

Chassis	
Form Factor	▪ 1U Rackmount
Model	▪ CSE-819UTQ-R751-T
Dimensions and Weight	
Height	▪ 1.7" (43mm)
Width	▪ 17.2" (437mm)
Depth	▪ 29" (737mm)
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	▪ Black
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>▪ Network activity LEDs</li> <li>▪ System Overheat LED / Fan fail LED / UID LED</li> </ul>

On-Board Devices	
Chipset	▪ Intel® C621 chipset
SATA	▪ SATA3 (6Gbps); RAID 0, 1, 5, 10
Network Connectivity	▪ 2 10G SFP+ ports via AOC-URN2-I2XS (Intel® 82599ES)
IPMI	▪ Support for Intelligent Platform Management Interface v.2.0 ▪ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Graphics	▪ ASPEED AST2500 BMC

Input / Output	
SATA	▪ 4 SATA3 (6Gbps) ports
LAN	▪ 2 10G SFP+ ports ▪ 1 RJ45 Dedicated IPMI LAN port
USB	▪ 3 USB 3.0 ports (2 rear, 1 Type A)
Video	▪ 2 VGA ports (1 rear, 1 onboard)
Serial Port	▪ 1 Serial header
DOM	▪ 2 SATA <u>DOM</u> (Disk on Module) support with embedded power

System BIOS	
BIOS Type	▪ AMI 32Mb SPI Flash ROM



Management	
Software	▪ Intel® Node Manager ▪ <a href="#">IPMI 2.0</a> ▪ KVM with dedicated LAN ▪ NMI ▪ <a href="#">SSM</a> , <a href="#">SPM</a> , <a href="#">SUM</a> ▪ <a href="#">SuperDoctor® 5</a>
Power Configurations	▪ ACPI Power Management

PC Health Monitoring	
CPU	▪ Monitors for CPU Cores, Chipset Voltages, Memory. ▪ 4+1 Phase-switching voltage regulator
FAN	▪ Fans with tachometer monitoring ▪ Status monitor for speed control ▪ Pulse Width Modulated (PWM) fan connectors
Temperature	▪ Monitoring for CPU and chassis environment ▪ Thermal Control for fan connectors

Expansion Slots	
	▪ 2 PCI-E 3.0 x16 (Full-height, 10.5" L) ▪ 2 PCI-E 3.0 x8 (1 LP, 1 internal LP)
PCI-Express	(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.)

Drive Bays	
Hot-swap	▪ 4 Hot-swap 3.5" drive bays ▪ 4 SATA3 (optional SAS3 via AOC)

System Cooling	
Fans	▪ 8 Heavy duty fans with optimal fan speed control
Air Shroud	▪ 1 Air Shroud

Power Supply	
750W Redundant AC-DC Power Supplies, +12V/+12Vsb output	
AC Input	▪ 100-127Vac, 50-60Hz ▪ 200-240Vac, 50-60Hz
+12V	▪ Max: 62.5A & Min: 0A (100Vac-127Vac) ▪ Max: 62.5A & Min: 0A (200Vac-240Vac)
12V SB	▪ Max: 2.1A ▪ Min: 0A
Certification	  Platinum Level <a href="#">[ Test Report ]</a>

Operating Environment	
RoHS	▪ RoHS Compliant
Environmental Spec.	▪ Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) ▪ Non-operating Temperature: -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)

