

SuperServer 1019GP-TT



Integrated Board



X11SPG-TF

Key Features

1. Single socket P (LGA 3647) supports Intel® Xeon® Scalable Processors
2. Up to 768GB ECC 3DS LRDIMM, up to DDR4-2666MHz; 6 DIMM slots
3. 2 PCI-E 3.0 x16 slots (support double-width GPU), 1 PCI-E 3.0 x16 low-profile slot (center right)
4. 6 Hot-swap 2.5" SAS/SATA drive bays
5. 2x 10GBase-T LAN ports via Intel X550
6. Dual M.2 Mini-PCIe support 2280
7. 8 Heavy duty 4cm counter-rotating 4cm fans with air shroud & optimal fan speed control
8. 1400W High-efficiency Power Supply **Platinum Level (94%+)**

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

Specifications

Product SKUs

SYS-1019GP-TT ■ SuperServer 1019GP-TT (**Black**)

Motherboard

Super X11SPG-TF

Processor/Cache

CPU

- Single Socket P (LGA 3647)
- Intel® Xeon® Scalable Processors
- Support CPU TDP 70-205W

Cores

- Up to 28 Cores with Intel® HT Technology

GPU Support

- NVIDIA® Tesla® P100/P40/P4/M60

System Memory

Memory Capacity

- 6 DIMM slots
- Up to 768GB ECC 3DS LRDIMM, 192GB ECC RDIMM, DDR4 up to 2666MHz

Memory Type

- 2666/2400/2133MHz ECC DDR4 SDRAM

On-Board Devices

Chipset

- Intel® C621 chipset

SATA

- SATA3 (6Gbps) with RAID 0, 1, 5, 10

Chassis

Form Factor

- 1U Rackmount

Model

- **CSE-118GTS-1K43BP2**

Dimensions

Height

- 1.7" (43mm)

Width

- 17.2" (437mm)

Depth

- 28.5" (724mm)

Weight

- Net Weight: 28 lbs (12.70 kg)
- Gross Weight: 36 lbs (16.33 kg)

Available Color

- Black

Front Panel

Buttons

- Power On/Off button
- System Reset button

LEDs


- Power LED
- Hard drive activity LED
- Network activity LEDs
- System Overheat LED / Fan fail LED / UID LED

Expansion Slots

PCI-Express

- 1 PCI-E 3.0 x16 slot (center right)
- 1 PCI-E 3.0 x16 slot (right riser)

Network Connectivity	<ul style="list-style-type: none"> Intel® X550 Dual Port 10GBase-T Virtual Machine Device Queues reduce I/O overhead Supports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
IPMI	<ul style="list-style-type: none"> Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Graphics	<ul style="list-style-type: none"> ASPEED AST2500
Input / Output	
SATA	<ul style="list-style-type: none"> 6 SATA3 (6Gbps) ports
LAN	<ul style="list-style-type: none"> 2 RJ45 10GBase-T ports 1 RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 2 USB 3.0 ports (rear) 2 USB 2.0 ports (rear)
Video	<ul style="list-style-type: none"> 1 VGA port
Serial Port	<ul style="list-style-type: none"> 1 COM Port header
DOM	<ul style="list-style-type: none"> 2 DOM (Disk on Module) power connectors
System BIOS	
BIOS Type	<ul style="list-style-type: none"> AMI 32Mb SPI Flash ROM
Management	
Software	<ul style="list-style-type: none"> Intel® Node Manager IPMI 2.0 KVM with dedicated LAN NMI SPM, SUM SuperDoctor® 5 Watch Dog
Power Configurations	<ul style="list-style-type: none"> ACPI / APM Power Management
PC Health Monitoring	
CPU	<ul style="list-style-type: none"> Monitors for CPU Cores, Chipset Voltages, Memory. 4+1 Phase-switching voltage regulator
FAN	<ul style="list-style-type: none"> Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors
Temperature	<ul style="list-style-type: none"> Monitoring for CPU and chassis environment Thermal CONTROL for fan connectors

	<ul style="list-style-type: none"> 1 PCI-E 3.0 x16 slot (left riser)
Drive Bays	
Hot-swap	<ul style="list-style-type: none"> 6 Hot-swap 2.5" SAS/SATA drive bays
M.2	<ul style="list-style-type: none"> Dual M.2 Mini PCIe support 2280
System Cooling	
Fans	<ul style="list-style-type: none"> 8 heavy duty counter-rotating 4cm fans with air shroud and optimal fan speed control
Power Supply	
1400W High-efficiency AC power supply with Digital Switching Control & PMBus 1.2	
AC Voltage	<ul style="list-style-type: none"> 1200W: 100-140 V, 14.7-10.5A, 50-60 Hz 1400W: 180-240 V, 10.5-8.0A, 50-60 Hz
+5V standby	<ul style="list-style-type: none"> 6 Amp
+12V	<ul style="list-style-type: none"> 100 Amp/115 Vac 117 Amp/230 Vac
With Power Distributor	<ul style="list-style-type: none"> +5V: 14 Amp
Certification	 Platinum Certified
Operating Environment	
RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> 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)

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11SPG-TF	1	Super X11SPG-TF Motherboard
	CSE-118GTS-1K43BP2	1	1U SC118G Chassis
Backplane	BPN-SAS-118TQ	1	6-port 1U TQ (W/ AMI 9072) backplane, support up to 6x 2.5-inch SAS/SATA HDD/SSD
Cable 1	CBL-0484L	4	SATA,INT,ROUND,ST-ST,55CM,30AWG
Cable 2	CBL-CDAT-0662	2	CBL,SGPIO,2X4F TO 2X4F,P2.54,ROUND CABLE,61.5CM,28AWG
Cable 3	CBL-PWEX-0663	1	PCIe 8 pin male(black) to CPU 8 pin female(white) power adapter, 5cm, 18AWG, 9A/pin, 0~80C, RoHS/REACH
Cable 4	CBL-PWEX-1028	1	GPU,2x4F/CPU to 2x4F/CPU,P4.2, 30CM,16AWG, 10A/pin, -40~105C

Cable 5	CBL-SAST-0624	2	SATA,INT,ROUND,ST-ST,70CM,30AWG
Riser Card	RSC-R1U-E16R	1	RSC-R1U-E16R
Riser Card	RSC-R1UG-E16-UP	1	1U LHS Riser Card with one PCI-E x16 for UP GPU MBs
Riser Card	RSC-R1UG-E16R-UP	1	1U RHS Riser Card with 1 PCI-E x16 for UP GPU MB
Heatsink / Retention	SNK-P0067PS	1	1U Passive CPU Heat Sink for X11 Purley Platform Equipped with a Narrow Retention Mechanism
Power Supply	PWS-1K43F-1R	1	1400W redundant digital power supply