

SuperServer 5018GR-T

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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-5018GR-T	SuperServer 5018GR-T (Black)
Motherboard	
Super X10SRG-F	
Processor	
CPU	<ul style="list-style-type: none">Intel® Xeon® processor E5-2600 v4[†]/v3, E5-1600 v4[†]/v3 family (up to 145W TDP **)Single Socket R3 (LGA 2011)
Core / Cache	<ul style="list-style-type: none">Up to 22 Cores[†] / Up to 55MB[†] Cache
Note	[†] BIOS version 2.0 or above is required
Note	** Motherboard supports this maximum TDP. Please verify your system can thermally support
System Memory	
Memory Capacity	<ul style="list-style-type: none">8x 288-pin DDR4 DIMM slotsUp to 1TB ECC 3DS LRDIMMUp to 512GB ECC LRDIMMUp to 512GB ECC RDIMM
Memory Type	<ul style="list-style-type: none">2400[†]/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (RDIMM / LRDIMM) / 284-pin gold-plated DIMMs
DIMM Sizes	<ul style="list-style-type: none">3DS LRDIMM: 128GBLRDIMM: 64GB, 32GBRDIMM: 64GB, 32GB, 16GB, 8GB, 4GB
Memory Voltage	<ul style="list-style-type: none">1.2 V
Error Detection	<ul style="list-style-type: none">Corrects single-bit errors
On-Board Devices	
Chipset	<ul style="list-style-type: none">Intel® C612 chipset
SATA	<ul style="list-style-type: none">SATA3 (6Gbps) via C612 controllerRAID 0, 1, 5, 10 support
IPMI	<ul style="list-style-type: none">Support for Intelligent Platform Management Interface v.2.0IPMI 2.0 with virtual media over LAN and KVM-over-LAN supportASPEED AST2400 BMC
Network Controllers	<ul style="list-style-type: none">Intel® i350 Dual Port Gigabit EthernetVirtual Machine Device Queues reduce I/O overheadSupports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Graphics	<ul style="list-style-type: none">ASPEED AST2400 BMC
Input / Output	
SATA	<ul style="list-style-type: none">6x SATA3 (6Gbps) ports
LAN	<ul style="list-style-type: none">2x RJ45 Gigabit Ethernet LAN ports1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none">2x USB 3.0 ports (rear)
Video	<ul style="list-style-type: none">1x VGA Connector
Serial Port	<ul style="list-style-type: none">1x Serial header
DOM	<ul style="list-style-type: none">2x DOM (Disk on Module) power connectors
System BIOS	
BIOS Type	<ul style="list-style-type: none">128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	<ul style="list-style-type: none">Plug and Play (PnP)APM 1.2DMI 2.3PCI 2.3ACPI 1.0 / 2.0 / 3.0 / 4.0USB Keyboard supportHardware BIOS Virus protectionSMBIOS 2.7.1UEFI 2.3.1RTC (Real Time Clock) Wakeup

Chassis	
Form Factor	■ 1U Rackmount
Model	■ CSE-818GTS-1K43BP
Dimensions	
Height	■ 1.7" (43mm)
Width	■ 17.2" (437mm)
Depth	■ 28.2" (716mm)
Weight	■ Net Weight: 27 lbs (12.25 kg) ■ Gross Weight: 35.5 lbs (16.10 kg)
Available Color	■ Black
Front Panel	
Buttons	■ Power On/Off button ■ System Reset button
LEDs	■ Power LED ■ Hard drive activity LED ■ 2x Network activity LEDs ■ System Overheat LED / Fan fail LED / UID LED
Expansion Slots	
PCI-Express	■ 2x PCIe 3.0 x16 slots (support GPU/Xeon Phi cards) ■ 1x PCIe 3.0 x8 slot for I.B. card ■ UIO AOC Compatibility Matrix
Drive Bays	
Hot-swap	■ 3x 3.5" Hot-swap drive bays
System Cooling	
Fans	■ 8x counter-rotating fans with optimal fan speed control
Power Supply	
1400W High-efficiency AC power supply with Digital Switching Control & PMBus 1.2	
AC Voltage	■ 1200W: 100-140 V, 14.7-10.5A, 50-60 Hz ■ 1400W: 180-240 V, 10.5-8.0A, 50-60 Hz
+5V standby	■ 6 Amp
+12V	■ 100 Amp/115 Vac ■ 117 Amp/230 Vac
With Power Distributor	■ +5V: 14 Amp
Certification	<div> Platinum Certified</div>
PC Health Monitoring	
CPU	■ Monitors for CPU Cores, +1.5V, +3.3V, +5V, +12V, +5 Stdby, +3.3 Stdby, VBAT, Memory Voltages. ■ CPU Core 5-Phase-switching voltage regulator
FAN	■ Total of eight 4-pin PWM fans ■ 8x fans with tachometer monitoring ■ Status monitor for speed control ■ Status monitor for on/off control ■ Low noise fan speed control
Temperature	■ Monitoring for CPU and chassis environment ■ CPU thermal trip support ■ Thermal Control for 8x Fan Connectors ■ PSU I ² C temperature sensing logic ■ Thermal Monitor 2 (TM2) support ■ PECI
LED	■ Power Fail / Overheat LED ■ Suspend-state Indicator LED ■ UID LED
Other Features	■ SDDC Support
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

[See Parts List](#)