SuperServer 1018GR-T

Integrated Board

X10SRG-F

Views: | Angled View | Top View | | Front View | Rear View |

▸ Drivers & Utilities ▸ BIOS ▸ IPMI ▸ Tested Memory ▸ Tested HDD ▸ Manuals ▸ OS Certification Matrix ▸ Compatible GPU List ▸ Quick-References Guide

Key Features

1. Single socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 **v4**†/ v3 and E5-1600 **v4**†/ v3 family
2. Up to **1TB**† ECC 3DS LRDIMM , up to DDR4- **2400**†MHz ; 8x DIMM slots
3. 2x PCI-E 3.0 x16 slots (support GPU/Xeon Phi cards), 1x PCI-E 3.0 x8 low-profile slot
4. Integrated IPMI 2.0 with KVM and Dedicated LAN
5. Intel® i350 Dual-Port GbE Controller
6. 6x 2.5" Hot-swap drive bays
7. 1400W High-efficiency Power Supply **Platinum Level (94%+)** Digital Switching Control & PMBus 1.2
8. 8x Counter rotating fans w/ optimal fan speed control

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

Specifications

Product SKUs	
SYS-1018GR-T	SuperServer 1018GR-T (Black)

Motherboard	
Super X10SRG-F	

Processor	
CPU	Intel® Xeon® processor E5-2600 v4†/ v3, E5-1600 v4†/ v3 family (up to 145W TDP **) Single Socket R3 (LGA 2011)
Core / Cache	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	8x 288-pin DDR4 DIMM slots Up to 1TB ECC 3DS LRDIMM Up to 512GB ECC LRDIMM Up to 512GB ECC RDIMM
Memory Type	2400†/ 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (RDIMM / LRDIMM) / 284-pin gold-plated DIMMs
DIMM Sizes	3DS LRDIMM: 128GB LRDIMM: 64GB, 32GB RDIMM: 64GB, 32GB, 16GB, 8GB, 4GB
Memory Voltage	1.2 V
Error Detection	Corrects single-bit errors

On-Board Devices	
Chipset	Intel® C612 chipset
SATA	SATA3 (6Gbps) via C612 controller RAID 0, 1, 5, 10 support
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® i350 Dual Port Gigabit Ethernet Virtual Machine Device Queues reduce I/O overhead Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Graphics	ASPEED AST2400 BMC

Input / Output	
SATA	6x SATA3 (6Gbps) ports
LAN	2x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	2x USB 3.0 ports (rear)
Video	1x VGA Connector
Serial Port	1x Serial header
DOM	2x DOM (Disk on Module) power connectors

System BIOS	
BIOS Type	128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	Plug and Play (PnP) APM 1.2 DMI 2.3 PCI 2.3 ACPI 1.0 / 2.0 / 3.0 / 4.0 USB Keyboard support Hardware BIOS Virus protection SMBIOS 2.7.1 UEFI 2.3.1 RTC (Real Time Clock) Wakeup

Chassis	
Form Factor	1U Rackmount
Model	CSE-118GTS-1K43BP

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 2x Network activity LEDs System Overheat LED / Fan fail LED / UID LED

Expansion Slots	
PCI-Express	2x PCI-E 3.0 x16 slots (support GPU/Xeon Phi cards) 1x PCI-E 3.0 x8 slot for I.B. card UIO AOC Compatibility Matrix

Drive Bays	
Hot-swap	6x 2.5" 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	80 PLUS PLATINUM — Platinum Certified

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^2C 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

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