



SuperServer 4028GR-TRT


Products > Systems > 4U > [4028GR-TRT]



Integrated Board



X10DRG-OT+-CPU



X9DRG-0-PCIE

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. Dual socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v4†/ v3 family; QPI up to 9.6GT/s

2. Up to 3TB† ECC 3DS LRDIMM , up to DDR4- 2400†MHz ; 24x DIMM slots

3. Expansion slots:
8 PCI-E 3.0 x16 (double-width) slots
2 PCI-E 3.0 x8 (in x16) slots
1 PCI-E 2.0 x4 (in x16) slot

4. Dual 10GBase-T LAN with Intel® X540



5. 24x 2.5" Hot-swap drive bays

6. 8x 92mm RPM Hot-Swap cooling fans

7. 1600W Redundant (2+2) Power Supplies; **Platinum Level (94%+)**

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

Specifications

Product SKUs		Chassis	
SYS-4028GR-TRT		Form Factor	4U Rackmountable Rackmount Kit (MCP-290-00057-0N)
Motherboard		Model	CSE-418GTS-R3200B
Super X10DRG-OT+-CPU		Dimensions	
Processor/Cache		Height	7.0" (178mm)
CPU	Intel® Xeon® processor E5-2600 v4†/ v3 family (up to 160W TDP) * Dual Socket R3 (LGA 2011)	Width	17.2" (437mm)
Cores / Cache	Up to 22 Cores† / Up to 55MB† Cache	Depth	29" (737mm)
System Bus	QPI up to 9.6 GT/s	Weight	Net VWeight: 80 lbs (36.2 kg) Gross VWeight: 135 lbs (61.2 kg)
Note	† BIOS version 2.0 or above is required	Available Colors	Black
Note	* Please contact Supermicro Technical Support for additional information about frequency optimized CPUs and specialized system optimization.	Drive Bays	
GPU/Xeon Phi Support	K10/K40/K80/M40/M60/Xeon Phi	Hot-swap	24x 2.5" Hard drive bays
System Memory		Expansion Slots	
Memory Capacity	24x 288-pin DDR4 DIMM slots Up to 3TB† ECC 3DS LRDIMM, 1.5TB ECC RDIMM	PCI-Express	8x PCI-E 3.0 x16 (double-width) slots 2x PCI-E 3.0 x8 (in x16) slots 1x PCI-E 2.0 x4 (in x16) slot
Memory Type	2400†/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit	Backplane	
DIMM Sizes	RDIMM: 64GB, 32GB, 16GB, 8GB, 4GB LRDIMM: 64GB, 32GB 3DS LRDIMM: 128GB	SAS/SATA HDD Backplane	
Memory Voltage	1.2 V	System Cooling	
Error Detection	Corrects single-bit errors	Fans	8x 92mm RPM Hot-Swappable Cooling Fans
On-Board Devices		Shrouds	1x Air Shroud (MCP-310-84806-0B) 1x Air Shroud (MCP-310-84807-0B)
Chipset	Intel® C612 chipset	Power Supply	
SATA	SATA3 (6Gbps) with RAID 0, 1, 5, 10	1600W 1U Redundant Power Supplies with PMBus	
IPMI	Support for Intelligent Platform Management Interface v2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support ASPEED AST2400 BMC	Total Output Power	1000W/1600W
Network Controllers	Dual Port 10GbE Virtual Machine Device Queues reduce I/O overhead Supports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output	Dimension (W x H x L)	73.5 x 40 x 265 mm
Graphics	ASPEED AST2400 BMC	Input	100-127Vac / 12.9A Max / 47-63Hz 200-240Vac / 9.5A Max / 47-63Hz
Input / Output		+12V	Max: 82A / Min: 0.1A (100-127Vac) Max: 132A / Min: 0.1A (200-240Vac)
SATA	4x SATA3 (6Gbps) ports	12V SB	Max: 2A / Min: 0.2A
LAN	2x RJ45 10GBase-T LAN ports 1x RJ45 Dedicated IPMI LAN port	Output Type	25 Pairs Gold Finger Connector
USB	4x USB 3.0 ports	Certification	  Platinum Level [Test Report]
Video	1x VGA Connector	PC Health Monitoring	
Serial Port	1x Serial header	CPU	Monitors for CPU Cores, +1.2V, 1.5V, +3.3V, +12V, (+3V, 1.0V, 1.2V, 1.8V, 1.1V) Standby, VBAT, Memory, Chipset Voltages. 4-Phase-switching voltage regulator with auto-sense from 0.6V-1.35V
System BIOS		FAN	4-pin fan headers with tachometer status monitoring Low noise fan speed control mode
BIOS Type	128Mb SPI Flash EEPROM with AMI® BIOS	Temperature	Monitoring for CPU and system environment Thermal Control for 8x fan connectors
BIOS Features	Plug and Play (PnP) APM 1.2 DMI 2.3 PCI 2.3 ACPI 1.0 / 2.0 / 3.0 USB Keyboard support SMBIOS 2.7.1 UEFI	Other Features	Chassis intrusion detection
Operating Environment / Compliance		Environmental Spec.	
RoHS	RoHS Compliant	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](#)