

Supermicro SuperServer SYS-4028GR-TR2 4U DP 24xSFF 2xGbE RED PSU

Kod producenta: SYS-4028GR-TR2



Chassis Form Factor	Rack 4U
CPU Socket	LGA 2011 (Socket R3)
# of CPU sockets	2
Supported CPU's	Intel Xeon E5-2600v4 Intel Xeon E5-2600v3
Max CPU TDP	160 W
Chipset	Intel C612 Wellsburg
Memory Type	DDR4 ECC 3DS LRDIMM DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2400 MHz 2133 MHz 1866 MHz 1600 MHz
# of DIMM's	24
Max Memory Size	3072 GB
Integrated GPU	Aspeed AST2400
# of 2.5 hot-swap bays	24
Backplanes	SAS/SATA
# of PCIe x16 3.0	11
# of PCIe x8 3.0	1
# of USB Ports	4 x USB 3.0 (rear) 1 x USB 3.0 Type A 4 x USB 2.0 (header)
# of SATA Ports	10
Storage Controllers	6 x AHCI iSATA 6Gb/s 4 x sSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (header)
# of 1GbE Ports	2 x RJ45
Network Controllers	Intel i350 Dual Port Gigabit Ethernet
Integrated BMC	IPMI 2.0 KVM-over-LAN Virtual Media over LAN IPMI Dedicated RJ45 PHY
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header
Power Supply	Redundant
PSU Wattage	2000W
PSU Certification	80+ Titanium
Uwagi	PCI-Express Slots Configuration: 11 PCI-E 3.0 x16 (FH, FL) slots 1 PCI-E 3.0 x8 (in x16) slot

Product SKUs

SYS-4028GR-TR2 • SuperServer 4028GR-TR2 (Black)

Motherboard

Super X10DRG-O+-CPU

Processor/Cache

- CPU
 - Intel® Xeon® processor E5-2600 v4[†]/ v3 family (up to 160W TDP) *
 - Dual Socket R3 (LGA 2011)
- Cores / Cache
 - Up to **22 Cores**[†] / Up to **55MB**[†] Cache
- System Bus
 - QPI up to 9.6 GT/s
- Note
 - [†] BIOS version 2.0 or above is required
- Note
 - * Please contact Supermicro Technical Support for additional information about frequency optimized CPUs and specialized system optimization.

System Memory

- Memory Capacity
 - 24x 288-pin DDR4 DIMM slots
 - Up to 3TB[†] ECC 3DS LRDIMM, 1.5TB ECC RDIMM
- Memory Type
 - 2400**[†]/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit
 - RDIMM: 64GB, 32GB, 16GB, 8GB, 4GB
- DIMM Sizes
 - LRDIMM: 64GB, 32GB
 - 3DS LRDIMM: 128GB
- Memory Voltage
 - 1.2 V
- Error Detection
 - Corrects single-bit errors

On-Board Devices

- Chipset
 - Intel® C612 chipset
- SATA
 - SATA3 (6Gbps) with RAID 0, 1, 5, 10
 - Support for Intelligent Platform Management Interface v.2.0
- IPMI
 - IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
 - ASPEED AST2400 BMC
 - Dual Gigabit Ethernet Ports with Intel® i350
- Network Controllers
 - 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
 - 10 SATA3 (6Gbps) ports
- LAN
 - 2 RJ45 Gigabit Ethernet LAN ports
 - 1 RJ45 Dedicated IPMI LAN port
- USB
 - 4 USB 3.0 ports
- Video
 - 1 VGA Connector
- Serial Port
 - 1 Serial header

System BIOS

- BIOS Type
 - 128Mb SPI Flash EEPROM with AMI® BIOS
 - Plug and Play (PnP)
 - APM 1.2
 - DMI 2.3
- BIOS Features
 - PCI 2.3
 - ACPI 1.0 / 2.0 / 3.0
 - USB Keyboard support
 - SMBIOS 2.7.1
 - UEFI

Chassis

- Form Factor
 - 4U Rackmountable
 - Rackmount Kit (MCP-290-00057-0N)
- Model
 - CSE-418GTS-R4000B**

Dimensions

- Height
 - 7.0" (178mm)
- Width
 - 17.2" (437mm)
- Depth
 - 29" (737mm)
 - Net Weight: 80 lbs (36.2 kg)
 - Gross Weight: 135 lbs (61.2 kg)
- Weight
 -
- Available Colors
 - Black

Drive Bays

- Hot-swap
 - 24 Hot-swap 2.5" hard drive bays

Expansion Slots

- PCI-Express
 - 11 PCI-E 3.0 x16 (FH, FL) slots
 - 1 PCI-E 3.0 x8 (in x16) slots
 - Single Root Complex

Backplane

SAS/SATA HDD Backplane

System Cooling

- Fans
 - 8 Hot-swap 92mm cooling fans
- Shrouds
 - 1 Air Shroud (MCP-310-84808-0B)

Power Supply

2000W Redundant Power Supplies with PMBus

Total Output Power

- 1000W/1800W/1980W/2000W

Dimension (W x H x L)

- 73.5 x 40 x 265 mm

- Input
 - 100-120Vac / 12-9.5A / 50-60Hz
 - 200-220Vac / 10-9.5A / 50-60Hz
 - 220-230Vac / 10-9.8A / 50-60Hz
 - 230-240Vac / 10-9.8A / 50-60Hz
 - 200-240Vac / 11.8-9.8A / 50-60Hz (UL/cUL only)
 - Max: 83.3A / Min: 0A (100-120Vac)
 - Max: 150A / Min: 0A (200-220Vac)
 - Max: 165A / Min: 0A (220-230Vac)
 - Max: 166.7A / Min: 0A (230-240Vac)
 - Max: 166.7A / Min: 0A (200-240Vac) (UL/cUL only)
- +12V
 - Max: 2.1A / Min: 0A
- Output Type
 - 25 Pairs Gold Finger Connector



Certification

- UL/cUL/CB/BSMI/CE/CCC
- Titanium Level**
- [[Test Report](#)]

PC Health Monitoring

- 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
- FAN
 - 4-pin fan headers with tachometer status monitoring
 - Low noise fan speed control mode
 - Monitoring for CPU and system environment
- Temperature
 - Thermal Control for 8 fan connectors
- Other Features
 - Chassis intrusion detection

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)

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-superserver-sys-4028gr-tr2-4u-dp-24xsff-2xgbe-red-psu-p-2696.html>