

Supermicro SuperServer SYS-2028GR-TRT 2U DP 10xSFF 2x10GbE RED PSU

Kod producenta: SYS-2028GR-TRT



Chassis Form Factor	Rack 2U
CPU Socket	LGA 2011 (Socket R3)
# of CPU sockets	2
Supported CPU's	Intel Xeon E5-2600v4 Intel Xeon E5-2600v3
Max CPU TDP	145W
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	16
Max Memory Size	2048 GB
Integrated GPU	Aspeed AST2400
Hardware GPU	4x NVIDIA Keple (option)
# of 2.5 hot-swap bays	10
# of PCIe x16 3.0	4
# of PCIe x8 3.0	1
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 3.0 (header) 2 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 10GbE Ports	2 x Base-T
Network Controllers	Intel x540 Dual Port 10 Gigabit Base-T
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 Certification	80+ Platinum
Chassis Dimensions	437 x 89 x 787 mm
Uwagi	PCI-Express Slots Configuration: 4x PCIe 3.0 x8 (in x16 slot) 1x PCIe 3.0 x8 (in x16 slot)

Poniżej prezentujemy szczegółowy opis techniczny oferowanego produktu:

Product SKUs

SYS-2028GR-TRT • SuperServer 2028GR-TRT (Black)

Motherboard

Super X10DRG-HT

Processor/Cache

CPU • Intel® Xeon® processor E5-2600 v4/ v3 family (up to 145W 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.
[GPU/Xeon Phi Support](#) • K1/K2/K10/K40/K80/M40/M60/Xeon Phi

System Memory

Memory Capacity • 16x 288-pin DDR4 DIMM slots
• Up to 2TB* ECC 3DS LRDIMM, 1TB ECC RDIMM
Memory Type • **2400**/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit
DIMM Sizes • RDIMM: 64GB, 32GB, 16GB, 8GB, 4GB
• LRDIMM: 64GB, 32GB
Memory Voltage • 1.2 V
Error Detection • Corrects single-bit errors

On-Board Devices

Chipset • Intel® C612 chipset
SATA • Intel C612 Controller
• 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
Network Controllers • Intel® X540 Dual Port 10GBase-T
• Virtual Machine Device Queues reduce I/O overhead
• Supports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Graphics • ASPEED AST2400 BMC

Input / Output

SATA • 10x SATA3 (6Gbps) ports
LAN • 2x RJ45 10GBase-T ports
• 1x RJ45 Dedicated IPMI LAN port
USB • 4x USB 3.0 ports (2 rear, 2 via header)
• 2x USB 2.0 ports (2 via headers)
Video • 1x VGA Connector
Serial Port • 1x Serial header

System BIOS

BIOS Type • 128Mb SPI Flash EEPROM with AMI® BIOS
• Plug and Play (PnP)
• APM 1.2
• DMI 2.3
• PCI 2.2
BIOS Features • ACPI 1.0 / 2.0
• USB Keyboard support
• Hardware BIOS Virus protection
• SMBIOS 2.3
• UEFI
• RTC (Real Time Clock) Wakeup

Chassis

Form Factor • 2U Rackmount
Model • **CSE-218GH-R2K03B**

Dimensions and Weight

Height • 3.5" (89mm)
Width • 17.2" (437mm)
Depth • 31" (787mm)
Package • 26.5" (H) x 11" (W) x 44.5" (D)
Weight • Net Weight: 39.5 lbs (17.9 kg)
• Gross Weight: 54 lbs (24.5 kg)
Available Color • Black

Front Panel

Buttons • Power On/Off button
• System Reset button
• Power LED
• Hard drive activity LED
LEDs • 2x Network activity LEDs
• System Overheat LED / Fan fail LED / UID LED

Expansion Slots

PCI-Express • 4x PCI-E 3.0 x16 slots (support GPU/Xeon Phi cards, option)
• 1x PCI-E 3.0 x8 (in x16) low-profile slot

Drive Bays

Hot-swap • 10x 2.5" Hot-swap drive bays

System Cooling

Fans • 5x 8cm heavy duty fans with optimal fan speed control

Power Supply

2000W 1U 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 / 11.8-9.8A / 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: 0.1A (100-120Vac)
• Max: 150A / Min: 0.1A (200-220Vac)
• Max: 165A / Min: 0.1A (220-230Vac)
• Max: 166.7A / Min: 0.1A (230-240Vac)
• Max: 166.7A / Min: 0.1A (200-240Vac) (UL/CUL only)
+12V • Max: 3.5A / Min: 0A
12V 5B Output Type • 25 Pairs Gold Finger Connector
Certification **Platinum Level** [[Test Report](#)]

PC Health Monitoring

CPU • Monitors for CPU Cores, +1.5V, +3.3V, +5V, +12V, +5 Stdby, +3.3 Stdby, VBAT, Memory Voltages.
• 5 Phase-switching voltage regulator
• Total of five 4-pin PWM fans
FAN • 5x fans with tachometer monitoring
• Status monitor for speed control
• Status monitor for on/off control
• Low noise fan speed control
• Monitoring for CPU and chassis environment
Temperature • CPU thermal trip support
• Thermal Control for 10x Fan Connectors
• PSU IFC 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
• Operating Temperature: 10°C to 35°C (50°F to 95°F)
Environmental Spec. • 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)

UWAGA !!!

Oferowany produkt to platforma serwerowa służąca do budowy swojej własnej konfiguracji serwera (nie zawiera CPU, RAM czy HDD).

Jeżeli potrzebujesz kupić gotowy serwer wraz z CPU, RAM, HDD/SDD oraz innymi opcjami koniecznie wyślij do nas zapytanie. Posiadamy najlepsze ceny i dostępność na pełne konfiguracje. Zapewniamy pełne wsparcie techniczne do zakupionych u nas serwerów.

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-superserver-sys-2028gr-trt-2u-dp-10xsff-2x10gbe-red-psu-p-992.html>

