

Supermicro SuperServer SYS-1028GR-TR 1U DP 4xSFF 2xGbE RED PSU

Kod producenta: SYS-1028GR-TR



Chassis Form Factor	Rack 1U
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	3x NVIDIA Kepler (option)
# of 2.5 hot-swap bays	4
Backplanes	SATA
# 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 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	1600W
PSU Certification	80+ Platinum
Chassis Dimensions	437 x 43 x 777mm
Uwagi	PCI-Express Slots Configuration: 4x PCI-E 3.0 x16 slots (3x GPU/MIC cards optional) 1x PCI-E 3.0 x8 (1x 016 LP slot)

Poniżej prezentujemy szczegółowy opis techniczny oferowanego produktu:

Product SKUs

- SYS-1028GR-TR** • SuperServer 1028GR-TR (Black)

Motherboard

Super X10DRG-H

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**¹ / Up to **55MB**¹ Cache
 - System Bus** • QPI up to 9.6 GT/s
 - Note** ¹ 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 2TB¹ 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
• 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
- Network Controllers** • Intel® i350-AM2 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** • 10x SATA3 (6Gbps) ports
- LAN** • 2x RJ45 Gigabit Ethernet 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 2.3
- BIOS Features** • ACPI 1.0 / 2.0 / 3.0
• USB Keyboard support
• SMBIOS 2.7.1
• UEFI

Chassis

- Form Factor** • 1U Rackmount
- Model** • **CSE-118GH-R1K66B**

Dimensions and Weight

- Height** • 1.7" (43mm)
- Width** • 17.2" (437mm)
- Depth** • 30.6" (777mm)
- Package** • 24" (H) x 8" (W) x 40" (D)
- Weight** • Net Weight: 35 lbs (15.9 kg)
• Gross Weight: 48 lbs (21.8 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** • 4x PCI-E 3.0 x16 slots
(3x GPU/Xeon Phi cards optional)
• 1x PCI-E 3.0 x8 (in x16) low-profile slot

Drive Bays

- Hot-swap** • 4x 2.5" Hot-swap drive bays

System Cooling

- Fans** • 10x counter-rotating fans with optimal fan speed control

Power Supply

- 1600W 1U Redundant Power Supplies with PMBus
- Total Output Power** • 1000W/1600W
- Dimension (W x H x L)** • 73.5 x 40 x 265 mm
- Input** • 100-127Vac / 12.9A Max / 47-63Hz
• 200-240Vac / 9.5A Max / 47-63Hz
- +12V** • Max: 82A / Min: 0.1A (100-127Vac)
• Max: 132A / Min: 0.1A (200-240Vac)
- 12V SB** • Max: 2A / Min: 0.2A
- 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
- FAN** • Total of ten 4-pin PWM fans
• 10x 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 I°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
• 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)
- Environmental Spec.** • 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-1028gr-tr-1u-dp-4xsff-2xgbe-red-psu-p-730.html>