

# **Supermicro SuperServer SYS-6027TR-D71QRF 2U Twin DP 2x6LFF LSI 2108 RED PSU**

**Kod producenta: SYS-6027TR-D71QRF**



Chassis Form Factor	Rack 2U
# of systems (nodes)	2
CPU Socket	LGA 2011 (Socket R)
# of CPU sockets (per node)	2
Supported CPU's	Intel Xeon E5-2600v2 Intel Xeon E5-2600
Max CPU TDP	135 W
Chipset	Intel C602 Patsburg
Memory Type	DDR3 ECC LRDIMM DDR3 ECC RDIMM
Memory Speed	1866 MHz 1600 MHz 1333 MHz 1066 MHz 800 MHz
# of DIMM's (per node)	8
Max Memory Size (per node)	512 GB
Integrated GPU	Matrox G200eW
# of 3.5 hot-swap bays (per node)	6
Backplanes	SAS2/SATA3
# of PCIe x8 3.0 (per node)	3
# of USB Ports (per node)	2 x USB 2.0 (rear) 1 x USB 2.0 Type A
# of SATA Ports (per node)	7
Storage Controllers	2 x AHCI iSATA 6Gb/s 5 x sSATA 3Gb/s LSI 2108 6Gb/s
# of SAS Ports (per node)	8
Integrated RAID	0,1,5,10
Hardware RAID	0,1,5,6,10,50,60
# of Serial Ports (per node)	1 x Fast UART 16550 (header)
# of 1GbE Ports (per node)	2 x RJ45
Network Controllers	Intel i350 Dual Port Gigabit Ethernet
# of QSFP Infiniband (per node)	1
Infiniband	1 x QDR 40Gbps
Integrated BMC	IPMI 2.0 KVM-over-LAN Virtual Media over LAN IPMI Dedicated RJ45 PHY
BMC chip	Nuvoton WPCM450
TPM	1 x TPM 1.2 20-pin Header
Power Supply	Redundant
PSU Wattage	1280W
PSU Certification	80+ Platinum
Chassis Dimensions	438 x 88 x 724mm
Uwagi	In order to support the LSI RAID Controllers, both CPU socket must be populated Infiniband controllers: Mellanox ConnectX-3 QDR 40Gbps

## Product SKUs

SYS-6027TR-D71QRF • SuperServer 6027TR-D71QRF (Black)

## Motherboard

### Super X9DRT-H1BQF

#### Processor/Cache

- Dual Socket R (LGA 2011)
- Intel® Xeon® processor E5-2600 and E5-2600 v2 family\* (up to 135W TDP \*)

\* Please contact your Supermicro sales representative for additional details

Note † BIOS version 3.0 or above is required

Cache • Up to 30MB

System Bus • QPI up to 8 GT/s

#### System Memory

- 8x 240-pin DDR3 DIMM slots
- Memory Capacity • Up to 512GB DDR3 ECC LRDIMM
- Up to 256GB DDR3 ECC Registered memory (RDIMM)
- Memory Type • 1866/1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
- DIMM Sizes • 32GB, 16GB, 8GB, 4GB, 2GB, 1GB
- Memory Voltage • 1.5 V, 1.35 V
- Error Detection • Corrects single-bit errors
- Detects double-bit errors (using ECC memory)

#### On-Board Devices

- Chipset • Intel® C602 Chipset
- Infiniband • Mellanox ConnectX-3 QDR Infiniband 40Gbps Controller
- Broadcom 2108 SAS (6Gbps) w/ Hardware RAID support
- SAS • RAID 0, 1, 5, 6, 10, 50, 60 support
- Note: In order to support the Broadcom RAID Controllers, both CPU socket must be populated
- SATA • SATA 2.0 & 3.0 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
- Nuvoton WPCM450 BMC
- Intel® i350 Dual Port Gigabit Ethernet
- Virtual Machine Device Queues reduce I/O overhead
- Network Controllers • Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
- 1x Realtek RTL8201N PHY (dedicated IPMI)
- Graphics • Matrox G200eW

#### Input / Output (per Node)

- Serial ATA • 2x SATA 3.0 ports (6Gbps)
- 5x SATA 2.0 ports (3Gbps)
- SAS • 8x SAS2 ports (6Gbps)
- LAN • 2x RJ45 Gigabit Ethernet LAN ports
- 1x RJ45 Dedicated IPMI LAN port
- USB • 3x USB 2.0 ports total (2x rear + 1x Type A)
- VGA • 1x VGA port
- Serial Port / Header • 1x Fast UART 16550 port / 1 Header
- Infiniband • 1 external QSFP Infiniband connector

## Chassis

- Form Factor • 2U Rackmount
- Model • CSE-827HD-R1K28B

#### Dimensions

- Width • 17.25" (438mm)
- Height • 3.47" (88mm)
- Depth • 28.5" (724mm)
- Gross Weight • 85 lbs (38.6kg)
- Available Colors • Black

#### Front Panel

- Buttons • Power On/Off button
- System Reset button
- UID button
- Power status LED
- HDD activity LED
- LEDs • 2x Network activity LEDs
- Universal Information (UID) LED

#### Expansion Slots (per Node)

- 3x PCI-E 3.0 (x8) slots (1x Low-profile and 2x Full-height Full-length)

#### Drive Bays (per Node)

- 6x 3.5" Hot-swap SATA3/SAS2 HDD trays

#### System Cooling

- Fans • 4x 8cm heavy duty PWM fans with optimal fan speed control

#### Power Supply

- 1280W Redundant High-efficiency Digital Power Supplies w/ PMBus 1.2
- AC Input • 1000W Output @ 100-140V, 8-12A, 50-60Hz
- 1280W Output @ 180-240V, 6-8A, 50-60Hz
- DC Output • 1000W: +12V/83A, +5Vsb/4A
- 1280W: +12V/106.7A, +5Vsb/4A

- Certification  **Platinum Certified** [ [Test Report](#) ]

#### System BIOS

- BIOS Type • 128Mb SPI Flash EEPROM with AMI BIOS
- Plug and Play (PnP)
- APM 1.2
- PCI 2.2
- ACPI 1.0 / 2.0
- BIOS Features • USB Keyboard support
- SMBIOS 2.3
- UEFI

#### 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)

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-superserver-sys-6027tr-d71qrf-2u-twin-dp-2x6lff-lsi-2108-red-p-su-p-231.html>