

# Supermicro SuperServer SYS-6027TR-D71RF+ 2U Twin DP 2x6LFF LSI 2108 RED PSU

Kod producenta: SYS-6027TR-D71RF+



|                                   |                                                                               |
|-----------------------------------|-------------------------------------------------------------------------------|
| 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<br>Intel Xeon E5-2600                                    |
| Max CPU TDP                       | 135 W                                                                         |
| Chipset                           | Intel C602 Patsburg                                                           |
| Memory Type                       | DDR3 ECC LRDIMM<br>DDR3 ECC RDIMM                                             |
| Memory Speed                      | 1866 MHz<br>1600 MHz<br>1333 MHz<br>1066 MHz<br>800 MHz                       |
| # of DIMM's (per node)            | 16                                                                            |
| Max Memory Size (per node)        | 1024 GB                                                                       |
| Integrated GPU                    | Matrox G200eW                                                                 |
| # of 3.5 hot-swap bays (per node) | 6                                                                             |
| Backplanes                        | SAS2/SATA3                                                                    |
| # of PCIe x8 3.0 (per node)       | 1                                                                             |
| # of USB Ports (per node)         | 2 x USB 2.0 (rear)<br>2 x USB 2.0 (header)<br>1 x USB 2.0 Type A              |
| # of SATA Ports (per node)        | 6                                                                             |
| # of SAS Ports (per node)         | 6                                                                             |
| Storage Controllers               | 2 x AHCI iSATA 6Gb/s<br>4 x AHCI iSATA 3Gb/s<br>LSI 2108 6Gb/s                |
| 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                                         |
| Integrated BMC                    | IPMI 2.0<br>KVM-over-LAN<br>Virtual Media over LAN<br>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                             | PCI-Express Slots<br>Configuration:<br>1xMicro Low Profile PCI-E<br>32xSlots  |

Product SKUs

SYS-6027TR-D71RF+ • SuperServer 6027TR-D71RF+ (**Black**)

Motherboard

[Super X9DRT-HF+](#)

Processor/Cache

|            |                                                                                                                                                                  |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU        | <ul style="list-style-type: none"><li>Dual Socket R (LGA 2011)</li><li>Intel® Xeon® processor E5-2600 and <b>E5-2600 v2</b> family† (up to 135W TDP *)</li></ul> |
|            | * 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

|                 |                                                                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Memory Capacity | <ul style="list-style-type: none"><li>16x 240-pin DDR3 DIMM slots</li><li>Up to 1TB DDR3 ECC LRDIMM</li><li>Up to 512GB DDR3 ECC Registered memory (RDIMM)</li></ul> |
|                 | • 1866/1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs                                                                                        |
| Memory Type     | • 32GB, 16GB, 8GB, 4GB, 2GB, 1GB                                                                                                                                     |
| DIMM Sizes      | • 1.5 V, 1.35 V                                                                                                                                                      |
| Memory Voltage  | • Corrects single-bit errors                                                                                                                                         |
| Error Detection | • Detects double-bit errors (using ECC memory)                                                                                                                       |

On-Board Devices

|                           |                                                                                                                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chipset                   | <ul style="list-style-type: none"><li>Intel® C602 Chipset</li><li>Broadcom 2108 SAS2 (6Gbps) w/ Hardware RAID support (BPN-ADP-SAS2-H6iR)</li><li>RAID 0, 1, 5, 6, 10, 50, 60 support</li></ul> |
| SAS                       | • SATA 2.0 & 3.0 with RAID 0, 1, 5, 10                                                                                                                                                          |
| SATA                      | • Support for Intelligent Platform Management Interface v.2.0                                                                                                                                   |
| IPMI                      | • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support                                                                                                                                 |
| Network Controllers       | • Nuvoton WPCM450 BMC                                                                                                                                                                           |
|                           | • Intel® i350 Dual Port Gigabit Ethernet                                                                                                                                                        |
| Graphics                  | • Virtual Machine Device Queues reduce I/O overhead                                                                                                                                             |
|                           | • Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output                                                                                                                                    |
| Input / Output (per Node) | • 1x Realtek RTL8201N PHY (dedicated IPMI)                                                                                                                                                      |
|                           | • Matrox G200eW                                                                                                                                                                                 |

Input / Output (per Node)

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

Chassis

|             |                            |
|-------------|----------------------------|
| Form Factor | • 2U Rackmount             |
| Model       | • <b>CSE-827HD-R1K28MB</b> |

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             |
| LEDs    | • UID button                      |
|         | • Power status LED                |
|         | • HDD activity LED                |
|         | • 2x Network activity LEDs        |
|         | • Universal Information (UID) LED |

Expansion Slots (per Node)

|             |                                         |
|-------------|-----------------------------------------|
| PCI-Express | • 1 Micro Low Profile PCI-E 3.0 x8 slot |
|             | <a href="#">MicroLP Adapter Matrix</a>  |

Drive Bays (per Node)

|          |                                       |
|----------|---------------------------------------|
| Hot-swap | • 6x 3.5" Hot-swap SATA/SAS 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 |



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

System BIOS

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

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-6027tr-d71rf-2u-twin-dp-2x6lff-lsi-2108-red-psu-p-1138.html>