

Supermicro SuperServer SYS-6027TR-H71RF 2U Twin^2 DP 4x3LFF LSI 2108 RED PSU

Kod producenta: SYS-6027TR-H71RF



Chassis Form Factor	Rack 2U
# of systems (nodes)	4
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)	3
Backplanes	SAS2/SATA3
# of PCIe x16 3.0 (per node)	1
# of USB Ports (per node)	2 x USB 2.0 (rear) 1 x USB 2.0 Type A
# of SATA Ports (per node)	7
# of SAS Ports (per node)	8
Storage Controllers	2 x AHCI iSATA 6Gb/s 5 x sSATA 3Gb/s 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 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	1620W
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

Product SKUs

SYS-6027TR-H71RF • SuperServer 6027TR-H71RF (Black)

Motherboard

Super X9DRT-HF

Processor/Cache

- CPU
 - Dual Socket R (LGA 2011)
 - Intel® Xeon® processor E5-2600 and **E5-2600 v2** family† (up to 135W TDP *)
- Note
 - † BIOS version 3.0 or above is required
- Cache
 - Up to 30MB
- System Bus
 - QPI up to 8 GT/s
- * Please contact your Supermicro sales representative for additional details

System Memory

- Memory Capacity
 - 8x 240-pin DDR3 DIMM slots
 - 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
 - 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

Chassis

- Form Factor
 - 2U Rackmount
- Model
 - CSE-827HQ-R1620B**

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)

- PCI-Express
 - 1x PCI-E 3.0 (x16) Low-profile slot

Drive Bays (per Node)

- Hot-swap
 - 3x 3.5" Hot-swap SATA3/SAS2 HDD trays

System Cooling

- Fans
 - 4x 8cm heavy duty PWM fans with optimal fan speed control
- Power Supply
 - 1620W high-efficiency redundant power supply w/ PMBus
 - 1000W Output @ 100-120V, 12-10A, 50-60Hz
 - 1200W Output @ 120-140V, 12-10A, 50-60Hz
 - 1620W Output @ 180-240V, 10.5-8A, 50-60Hz
- AC Input
 - 1000W: +12V/84A; +5Vsb/4A
 - 1200W: +12V/100A; +5Vsb/4A
 - 1620W: +12V/150A; +5Vsb/4A
- DC Output
 - 1000W: +12V/84A; +5Vsb/4A
 - 1200W: +12V/100A; +5Vsb/4A
 - 1620W: +12V/150A; +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
- 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-h71rf-2u-twin2-dp-4x3lff-lsi-2108-red-p-su-p-216.html>