

Supermicro SuperServer SYS-2027TR-D70RF+ 2U Twin DP 2x12SFF LSI 2008 RED PSU

Kod producenta: SYS-2027TR-D70RF+

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)	16
Max Memory Size (per node)	1024 GB
Integrated GPU	Matrox G200eW
# of 2.5 hot-swap bays (per node)	12
Backplanes	SAS2/SATA3
# of PCIe x8 3.0 (per node)	1
# of USB Ports (per node)	2 x USB 2.0 (rear) 2 x USB 2.0 (header) 1 x USB 2.0 Type A
# of SATA Ports (per node)	6
# of SAS Ports (per node)	12
Storage Controllers	2 x AHCI iSATA 6Gb/s 4 x AHCI iSATA 3Gb/s LSI 2008 6Gb/s IT
Integrated RAID	0,1,10
Hardware RAID	0,1,10
# 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	1280W
PSU Certification	80+ Platinum
Chassis Dimensions	438 x 88 x 679mm
Uwagi	LSI 2008 SAS IT mode PCI-Express Slots Configuration: 1xMicro Low Profile PCI-E 3.0 x8 slot



Product SKUs

SYS-2027TR-D70RF+ • SuperServer 2027TR-D70RF+ (**Black**)

Motherboard

[Super X9DRT-HF+](#)

Processor/Cache

CPU	<ul style="list-style-type: none">• Dual Socket R (LGA 2011)• Intel® Xeon® processor E5-2600 and E5-2600 v2 family† (up to 135W TDP *) <p>* Please contact your Supermicro sales representative for additional details</p>
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">• 16x 240-pin DDR3 DIMM slots• Up to 1TB DDR3 ECC LRDIMM• Up to 512GB 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	<ul style="list-style-type: none">• Corrects single-bit errors• Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	• Intel® C602 Chipset
SAS	• LSI 2008 SAS (6Gbps) IT Mode
SATA	• SATA 2.0 & 3.0
IPMI	<ul style="list-style-type: none">• Support for Intelligent Platform Management Interface v.2.0• 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	<ul style="list-style-type: none">• 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	• 6x SATA 3.0 ports (6Gbps)
SAS	• 12x SAS ports (6Gbps)
LAN	<ul style="list-style-type: none">• 2x RJ45 Gigabit Ethernet LAN ports• 1x RJ45 Dedicated IPMI LAN port
USB	• 5x USB 2.0 ports total (2 rear + 2 via header + 1 Type A)
VGA	• 1x VGA port
Serial Port / Header	• 1x Fast UART 16550 port / 1 Header

Chassis

Form Factor • 2U Rackmount
Model • **CSE-217HD-R1K28MB**

Dimensions

Width	• 17.25" (438mm)
Height	• 3.47" (88mm)
Depth	• 26.75" (679mm)
Gross Weight	• 85 lbs (38.6kg)
Available Colors	• Black

Front Panel

Buttons	<ul style="list-style-type: none">• Power On/Off button• System Reset button• UID button• Power status LED• HDD activity LED
LEDs	<ul style="list-style-type: none">• 2x Network activity LEDs• Universal Information (UID) LED

Expansion Slots (per Node)

PCI-Express slot	<ul style="list-style-type: none">• 1 Micro Low Profile PCI-E 3.0 x8 MicroLP Adapter Matrix
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Drive Bays (per Node)

Hot-swap	• 12x Hot-swap 2.5" SATA HDD trays
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System Cooling

Fans	• 4x 11K RPM cooling fans
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Power Supply

1280W Redundant High-efficiency Digital Power Supplies w/ PMBus 1.2	<ul style="list-style-type: none">• 1000W Output @ 100-140V, 8-12A, 50-60Hz• 1280W Output @ 180-240V, 6-8A, 50-60Hz
AC Input	<ul style="list-style-type: none">• 1000W: +12V/83A; +5Vsb/4A• 1280W: +12V/106.7A, +5Vsb/4A
DC Output	<ul style="list-style-type: none">• 1000W: +12V/83A; +5Vsb/4A• 1280W: +12V/106.7A, +5Vsb/4A

Certification



Platinum Certified
[[Test Report](#)]

System BIOS

BIOS Type	<ul style="list-style-type: none">• 128Mb SPI Flash EEPROM with AMI BIOS• Plug and Play (PnP)• APM 1.2• PCI 2.2
BIOS Features	<ul style="list-style-type: none">• ACPI 1.0 / 2.0• USB Keyboard support• SMBIOS 2.3• UEFI

Operating Environment / Compliance

RoHS	<ul style="list-style-type: none">• RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none">• 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-2027tr-d70rf-2u-twin-dp-2x12sff-lsi-2008-red-p-su-p-1140.html>