

# 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)	8
Max Memory Size (per node)	512 GB
Integrated GPU	Matrox G200eW
# of 2.5 hot-swap bays (per node)	12
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
# of SAS Ports (per node)	12
Storage Controllers	2 x AHCI iSATA 6Gb/s 5 x sSATA 3Gb/s LSI 2008 6Gb/s
Integrated RAID	0,1,5,10
# 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	In order to support the LSI 2008 SAS IT mode, both CPU socket must be installed

## Product SKUs

SYS-2027TR-D70RF • SuperServer 2027TR-D70RF (**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> <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"><li>• 8x 240-pin DDR3 DIMM slots</li><li>• Up to 512GB DDR3 ECC LRDIMM</li><li>• Up to 256GB DDR3 ECC Registered memory (RDIMM)</li></ul>
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"><li>• Corrects single-bit errors</li><li>• Detects double-bit errors (using ECC memory)</li></ul>

## On-Board Devices

Chipset	<ul style="list-style-type: none"><li>• Intel® C602 Chipset</li><li>• LSI 2008 SAS (3Gbps) and SAS2 (6Gbps) device support</li></ul>
SAS	<ul style="list-style-type: none"><li>• Note: In order to support the IT mode only, both CPU socket must be populated</li></ul>
SATA	<ul style="list-style-type: none"><li>• Support IT mode (JBOD) only</li><li>• Support for Intelligent Platform Management Interface v.2.0</li></ul>
IPMI	<ul style="list-style-type: none"><li>• IPMI 2.0 with virtual media over LAN and KVM-over-LAN support</li><li>• Nuvoton WPCM450 BMC</li><li>• Intel® i350 Dual Port Gigabit Ethernet</li><li>• Virtual Machine Device Queues reduce I/O overhead</li></ul>
Network Controllers	<ul style="list-style-type: none"><li>• Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li><li>• 1x Realtek RTL8201N PHY (dedicated IPMI)</li></ul>
Graphics	<ul style="list-style-type: none"><li>• Matrox G200eW</li></ul>

## Input / Output (per Node)

SAS	<ul style="list-style-type: none"><li>• 12x SAS ports (6Gbps)</li><li>• IT mode SAS option</li></ul>
LAN	<ul style="list-style-type: none"><li>• 2x RJ45 Gigabit Ethernet LAN ports</li><li>• 1x RJ45 Dedicated IPMI LAN port</li></ul>
USB	<ul style="list-style-type: none"><li>• 3x USB 2.0 ports total (2x rear + 1x Type A)</li></ul>
VGA	<ul style="list-style-type: none"><li>• 1x VGA port</li></ul>
Serial Port / Header	• 1x Fast UART 16550 port / 1 Header

## Chassis

Form Factor • 2U Rackmount  
Model • **CSE-217HD-R1K28B**

## 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"><li>• Power On/Off button</li><li>• System Reset button</li><li>• UID button</li><li>• Power status LED</li><li>• HDD activity LED</li><li>• 2x Network activity LEDs</li><li>• Universal Information (UID) LED</li></ul>
LEDs	

## Expansion Slots (per Node)

PCI-Express	<ul style="list-style-type: none"><li>• 3x PCI-E 3.0 (x8) slots via riser card</li><li>(1x Low-profile, 2x Full-height, Full-length slots)</li></ul>
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## Drive Bays (per Node)

Hot-swap	• 12x Hot-swap 2.5" 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	
AC Input	<ul style="list-style-type: none"><li>• 1000W Output @ 100-140V, 8-12A, 50-60Hz</li><li>• 1280W Output @ 180-240V, 6-8A, 50-60Hz</li></ul>
DC Output	<ul style="list-style-type: none"><li>• 1000W: +12V/83A; +5Vsb/4A</li><li>• 1280W: +12V/106.7A, +5Vsb/4A</li></ul>

## Certification



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

## System BIOS

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

## Operating Environment / Compliance

RoHS	<ul style="list-style-type: none"><li>• RoHS Compliant</li></ul>
Environmental Spec.	<ul style="list-style-type: none"><li>• Operating Temperature: 10°C to 35°C (50°F to 95°F)</li><li>• Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)</li><li>• Operating Relative Humidity: 8% to 90% (non-condensing)</li><li>• Non-operating Relative Humidity: 5% to 95% (non-condensing)</li></ul>

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-superserver-sys-2027tr-d70rf-2u-twin-dp-2x12sff-lsi-2008-red-p-su-p-224.html>