

Supermicro SuperServer SYS-2028R-TXR 2U DP 16xSFF 2xGbE RED PSU

Kod producenta: SYS-2028R-TXR



Chassis Form Factor	Rack 2U
CPU Socket	LGA 2011 (Socket R3)
# of CPU sockets	2
Supported CPU's	Intel Xeon E5-2600v4 Intel Xeon E5-2600v3
Max CPU TDP	145 W
Chipset	Intel C612 Wellsburg
Memory Type	DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2400 MHz 2133 MHz 1866 MHz 1600 MHz
# of DIMM's	16
Max Memory Size	2048 GB
Integrated GPU	Aspeed AST2400
# of 2.5 hot-swap bays	16
Backplanes	SAS3/SATA3
Optical drives	1x Slim DVD-ROM drive bay (optional)
# of PCIe x4 3.0	1
# of PCIe x8 3.0	10
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 2.0 (rear)
# of SATA Ports	10
# of Super DOM	2
Storage Controllers	6 x AHCI iSATA 6Gb/s 4 x sSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (rear)
# of 1GbE Ports	2 x RJ45
Network Controllers	Intel i350 Dual Port Gigabit Ethernet
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header
Power Supply	Redundant
PSU Wattage	1000 W
PSU Certification	80+ Titanium
Chassis Dimensions	437 x 89 x 705.3mm
Uwagi	PCI-Express Slots Configuration: 1 PCI-E 2.0 x4 (in x8) slot Optional drive support: 16 xSAS3 1 x Slim DVD-ROM drive bay

Poniżej prezentujemy szczegółowy opis techniczny oferowanego produktu:

Product SKUs

SYS-2028R-TXR • SuperServer 2028R-TXR (Black)

Motherboard

Super X10DRX

Processor/Cache

CPU • Intel® Xeon® processor E5-2600 v4/ v3 family (up to 145W TDP) *
• Dual Socket R3 (LGA 2011)

Cores / Cache • Up to **22 Cores** / Up to **55MB** Cache

System Bus • QPI up to 9.6 GT/s

Note † BIOS version 2.0 or above is required

Note * Please contact Supermicro Technical Support for additional information about frequency optimized CPUs and specialized system optimization.

System Memory

Memory Capacity • 16x 288-pin DDR4 DIMM slots
• Up to 2TB¹ ECC 3DS LRDIMM, 512GB ECC RDIMM

Memory Type • **2400**/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit

DIMM Sizes • RDIMM: 32GB, 16GB, 8GB, 4GB
• LRDIMM: 64GB, 32GB
• 3DS LRDIMM: 128GB

Memory Voltage • 1.2 V

Error Detection • Corrects single-bit errors

On-Board Devices

Chipset • Intel® C612 chipset

SATA • SATA3 (6Gbps) 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
• ASPEED AST2400 BMC

Network Controllers • Intel® i350 Dual Port Gigabit Ethernet
• Virtual Machine Device Queues reduce I/O overhead
• Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
• 1x Realtek RTL8201N PHY (dedicated IPMI)

Graphics • ASPEED AST2400 BMC

Input / Output

Serial ATA • 8 SATA3 (6Gbps) ports

LAN • 2 RJ45 Gigabit Ethernet LAN ports
• 1 RJ45 Dedicated IPMI LAN port

USB • 2 USB 3.0 ports (rear)
• 2 USB 2.0 ports (rear)

Serial Port / Header • 1 COM port (rear)

VGA • 1 VGA port

DOM • 2 SuperDOM (Disk on Module) ports

TPM • 1 TPM 1.2 20-pin Header

Chassis

Form Factor • 2U Rackmount

Model • **CSE-213XAC-R1K05LP**

Dimensions

Width • 17.2" (437mm)

Height • 3.5" (89mm)

Depth • 27.76" (705.3mm)

Weight • Net Weight: 36 lbs (16.4 kg)
• Gross Weight: 72 lbs (32.7 kg)

Available Colors • Black

Front Panel

Buttons • Power On/Off button
• System Reset button
• Power status LED

LEDs • Hard drive activity LED
• 2 Network activity LEDs
• System information (overheat/UID) LED
• Power fail LED

Expansion Slots

• 10 PCI-E 3.0 x8 slots
• 1 PCI-E 2.0 x4 (in x8) slot

PCI-Express

(Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram for details.)

Drive Bays

• 16 Hot-swap 2.5" drive bays
• 8 SATA3 ports by default
• Optional drive support: 16 SAS3

Hot-swap

Note: optional storage card is required to support more than 10 drives

Peripheral Bay

Peripheral • 1x 5.25" peripheral drive bay

Optional • 1x slim DVD-ROM drive (optional)

Backplane

1x SAS3 / SATA backplane

System Cooling

Fans • 4x 8cm 7K RPM, Middle fans

PowerStick Power Supply

1000W Redundant Power Supplies with PMBus

Total Output Power • 800W/1000W

Dimension (W x H x L) • 38 x 40 x 360 mm

Input • 100-127Vac / 9-7.5A / 50-60Hz
• 200-240Vac / 6-5A / 50-60Hz

+12V • Max: 66.7A / Min: 0A (100-127Vac)
• Max: 83A / Min: 0A (200-240Vac)

+5Vsb • Max: 4A / Min: 0A

Output Type • Gold Finger Connector (16 Power Pin, 14 Signal Pin)



Certification • UL/cUL/CB/BSMI/CE/CCC
Titanium Level
(Cert. in progress)

System BIOS

BIOS Type • 128Mb SPI Flash EEPROM with AMI BIOS
• Plug and Play (PnP)
• PCI 2.3

BIOS Features • ACPI 1.0 / 2.0 / 3.0 / 4.0
• BIOS rescue hot keys
• USB Keyboard support
• SMBIOS 2.7.1
• UEFI 2.3.1

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-2028r-txr-2u-dp-16xsff-2xgbe-red-psu-p-2168.html>