

Supermicro SuperServer SYS-5029P-WTR 2U UP 8xLFF 2x10GbE RED PSU

Kod producenta: SYS-5029P-WTR

	Category	DB Processing & Storage Connectivity/Storage Computer Nodes
	Order option	Barebone
	Chassis Form Factor	Rack 2U
	CPU Socket	LGA 3647 (Socket P)
	# of CPU sockets	1
	Supported CPU's	Intel Xeon Scalable 2nd Gen Intel Xeon Scalable 1st Gen
	Max CPU TDP	205 W
	Chipset	C622
	Memory Type	DDR4 ECC RDIMM DDR4 ECC LRDIMM
	Memory Speed	2933 MHz 2666 MHz 2400 MHz 2133 MHz
	# of DIMM's	6
	Max Memory Size	1,5 TB
	Integrated GPU	ASPEED AST2500
	# of 3.5 hot-swap bays	8
	Backplanes	SAS3/SATA3
	# of PCIe x8 3.0	5
	# of USB Ports	5 x USB 3.0 7 x USB 2.0
	Storage interface	Native SATA
	# of SATA DOM power	2
	Storage Controllers	Intel C622
	# of M.2 22110	1
	# of Serial Ports	1 x Fast UART 16550 (rear) 1 x Fast UART 16550 (header)
	# of 10GbE Ports	2 x RJ45
	Network Controllers	Intel X722 + X557
	Integrated BMC	IPMI Dedicated RJ45
	BMC chip	ASPEED AST2500
	TPM	1 x TPM 2.0 20-pin Header
	Power Supply	Redundant
	PSU Wattage	650 W
	PSU Certification	80+ Platinum
	Chassis Dimensions	89 x 437 x 647 mm

Product SKUs

SYS-5029P-WTR • SuperServer 5029P-WTR (Black)

Motherboard

Super X11SPW-TF

Processor/Cache

- CPU
- Single Socket P (LGA 3647)
 - Intel® Xeon® Scalable Processors
 - Support CPU TDP 70-205W
- Cores
- Up to 28 Cores with Intel® HT Technology

System Memory

- Memory Capacity
- 6 DIMM slots
 - Up to 768GB ECC 3DS LRDIMM, 192GB ECC RDIMM, DDR4 up to 2666MHz
- Memory Type
- 2666/2400/2133MHz ECC DDR4 SDRAM

On-Board Devices

- Chipset
- Intel® C622 chipset
- SATA
- SATA3 (6Gbps); RAID 0, 1, 5, 10
- Network Controllers
- Dual 10GBase-T LAN with Intel® X772 + X557
- IPMI
- Support for Intelligent Platform Management Interface v.2.0
 - IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
- Video
- ASPEED AST2500 BMC

Input / Output

- SATA
- 10 SATA3 (6Gbps) ports
- LAN
- 2 RJ45 10GBase-T LAN ports
 - 1 RJ45 dedicated IPMI LAN port
- USB
- 2 USB 3.0 ports (rear)
 - 2 USB 2.0 ports (rear)
- Video
- 1 VGA port
- Serial Port / Header
- 2 COM ports (1 rear, 1 header)
- SuperDOM
- 2 SuperDOM (Disk on Module) ports with built-in power

System BIOS

- BIOS Type
- AMI 32Mb SPI Flash ROM

Management

- Software
- Intel® Node Manager
 - IPMI 2.0
 - KVM with dedicated LAN
 - NMI
 - SPM, SUM
 - SuperDoctor® 5
 - Watch Dog

- Power Configurations
- ACPI / APM Power Management

PC Health Monitoring

- CPU
- Monitors for CPU Cores, Chipset Voltages, Memory.
 - 4+1 Phase-switching voltage regulator
- FAN
- Fans with tachometer monitoring
 - Status monitor for speed control
 - Pulse Width Modulated (PWM) fan connectors
- Temperature
- Monitoring for CPU and chassis environment
 - Thermal Control for 8x fan connectors

Chassis

- Form Factor
- 2U Rackmount
- Model
- CSE-825TQC-R500WB

Dimensions and Weight

- Height
- 3.5" (89mm)
- Width
- 17.2" (437mm)
- Depth
- 25.6" (650mm)
- Package
- 26.5" (W) x 11" (H) x 34" (L)
- Weight
- Gross Weight: 59 lbs (26.76 kg)
 - Net Weight: 34 lbs (15.42 kg)
- Available Colors
- Black

Front Panel

- Buttons
- Power On/Off button
 - System Reset button
- LEDs
- Power LED
 - Hard drive activity LED
 - Network activity LEDs
 - System Overheat LED
 - Information LED (temp., status)

Expansion Slots

- PCI-Express
- 4 PCI-E 3.0 x8 (FHFL) slots
 - 1 PCI-E 3.0 x8 (LP) slot

Drive Bays

- Hot-swap M.2
- 8 Hot-swap 3.5" SATA3 drive bays
 - M.2 mini-PCI-e support

Peripheral Drives

- DVD-ROM
- 1 Slim DVD-ROM drive bay

System Cooling

- Fans
- 3 Hot-swap 8cm PWM cooling fans

Power Supply with Power Distributor

- 500W high-efficiency redundant power supplies with PMBus
- AC Input
- 100-240 V, 50-60 Hz, 6.1-2.6 Amp
- DC Output
- 4 Amp @ +5V standby
 - 41.7 Amp @ +12V
- With Power Distributor
- +5V: 30 Amp
 - +3.3V: 24 Amp
 - -12V: 0.6 Amp

- Certification
- Platinum Certified [Test Report]

Operating Environment

- RoHS
- RoHS Compliant
- Environmental Spec.
- Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F)
 - Non-operating Temperature: -40°C to 60°C (-40°F to 140°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-5029p-wtr-2u-up-8x1ff-2x10gbe-red-psu-p-3279.html>