

Supermicro SuperServer SYS-1029P-WTRT 1U DP 10xSFF 2x10GbE RED PSU

Kod producenta: SYS-1029P-WTRT

	Chassis Form Factor	Rack 1U
	CPU Socket	LGA 3647 (Socket P)
	# of CPU sockets	2
	Supported CPU's	Intel Xeon Scalable 2nd Gen Intel Xeon Scalable 1st Gen
	Max CPU TDP	165 W
	Chipset	Intel C622
	Memory Type	DDR4 ECC 3DS LRDIMM DDR4 ECC RDIMM
	Memory Speed	2666 MHz 2400 MHz 2133 MHz
	# of DIMM's	12
	Max Memory Size	1536 GB
	Integrated GPU	Aspeed AST2500
	# of 2.5 hot-swap bays	10
	Backplanes	SAS3/SATA3
	# of PCIe x16 3.0	3
	# of PCIe x8 3.0	1
	# of USB Ports	4 x USB 3.0 (rear) 2 x USB 3.0 (header)
	# of SATA Ports	10
	Storage Controllers	10 x AHCI iSATA 6Gb/s
	Integrated RAID	0,1,5,10
	# of 10GbE Ports	2 x Rj45
	Network Controllers	Intel x722 Dual Port 10 Gigabit Base-T
	Integrated BMC	IPMI Dedicated RJ45
	BMC chip	Aspeed AST2500
	Power Supply	Redundant
	PSU Wattage	750 W
	PSU Certification	80+ Platinum
	Chassis Dimensions	437 x 43 x 597mm
	Uwagi	PCI-Express Slots Configuration: 2x PCI-E 3.0 x16 (FHHL) slots 1x PCI-E 3.0 x8 (LP) slot 1x PCI-E 3.0 x16 for (AOM) 1x PCI-E M.2 SSD slot

Poniżej prezentujemy szczegółowy opis techniczny oferowanego produktu:

Product SKUs

 SYS-1029P-WTRT • SuperServer 1029P-WTRT (**Black**)

Motherboard



[Super X11DDW-NT](#)

Processor/Cache



- CPU
- Cores
- Dual Socket P (LGA 3647)
 - Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
 - Support CPU TDP 70-165W with IVR
 - Up to 28 Cores with Intel® HT Technology

System Memory



- Memory Capacity
- Memory Type
- 12 DIMM slots
 - Up to 1.5TB ECC 3DS LRDIMM, 768GB ECC RDIMM, DDR4 up to 2666MHz
 - 2666/2400/2133MHz ECC DDR4 SDRAM

On-Board Devices



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

Input / Output



- SATA
- LAN
- USB
- Video
- DOM
- 8 SATA3 (6 Gbps) ports and 2 NVMe/SATA3 hybrid ports
 - 2 RJ45 10GBase-T ports
 - 1 RJ45 Dedicated IPMI LAN port
 - 6 USB 3.0 ports (4 rear, 2 front via header)
 - 1 VGA port
 - 2 Super[DOM](#) (Disk on Module) ports

System BIOS



- BIOS Type
- AMI 32Mb SPI Flash ROM

Management



- Software
- Intel® Node Manager
 - [IPMI 2.0](#)
 - KVM with dedicated LAN
 - [SSM](#), [SPM](#), [SUM](#)
 - [SuperDoctor® 5](#)
 - Watch Dog

- Power Configurations
- ACPI / APM Power Management

PC Health Monitoring



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



Chassis



- Form Factor
- Model
- 1U Rackmount
 - [CSE-116AC2-R706WB2](#)

Dimensions and Weight



- Width
- Height
- Depth
- Gross Weight
- Available Colors
- 17.2" (437mm)
 - 1.7" (43mm)
 - 23.5" (597mm)
 - 46 lbs (20.9kg)
 - Black

Front Panel



- Buttons
- LEDs
- Power On/Off button
 - UID button
 - Power status LED
 - HDD activity LED
 - Network activity LEDs
 - Universal Information (UID) LED

Expansion Slots



- PCI-Express
- 2 PCI-E 3.0 x16 (FHHL) slots
 - 1 PCI-E 3.0 x8 (LP) slot
 - 1 PCI-E 3.0 x16 for Add-on-Module (AOM)
 - 1 PCI-E M.2 SSD slot

Drive Bays



- Hot-swap
- 8 SATA3 (6Gbps) ports and 2 NVMe/SATA3 hybrid ports (connected to onboard storage controller)

Backplane



- SAS/SATA HDD Backplane

System Cooling



- Fans
- 4 Counter-rotating 4cm PWM fans, 2 fans for AOC cooling

AC/DC240V Input Redundant Power Supply



- 700W/750W Redundant Power Supplies with PMBus

- Total Output Power
- 700W/750W

- Dimension (W x H x L)
- 54.5 x 40.25 x 320 mm

- Input
- 100 - 140Vac / 8 - 6A / 50-60Hz
 - 200 - 240Vac / 4.5 - 3.8A / 50-60Hz
 - 200 - 240Vdc / 4.5 - 3.8A (CCC Only)

- +12V
- +5V sb
- Max: 58A / Min: 0.5A (100 - 140Vac)
 - Max: 62A / Min: 0.5A (200 - 240Vac)
 - Max: 62A / Min: 0.5A (200 - 240Vdc) (CB/CCC Only)
 - Max: 3A / Min: 0A

- Output Type
- Gold Finger Connector Mating with Molex 45984-4343



- Certification
- **UL/cUL/CB/BSMI/CE/CCC**
 - **Platinum Certified**
 - [\[Test Report \]](#)

Operating Environment



- RoHS
- Environmental Spec.
- RoHS Compliant
 - 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-1029p-wtrt-1u-dp-10xsff-2x10gbe-red-psu-p-3173.html>