

Supermicro SuperServer SYS-1029UZ-TN20R25M 1U DP 20xNVMe 2x25GbE RED PSU

Kod producenta: SYS-1029UZ-TN20R25M

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	205 W
Chipset	Intel C621
Memory Type	DDR4 ECC RDIMM DDR4 ECC LRDIMM
Memory Speed	2933 MHz 2666 MHz 2400 MHz 2133 MHz
# of DIMM's	24
Max Memory Size	3072 GB
Integrated GPU	Aspeed AST2500
# of 2.5 NVMe bays	18
# of 2.5 Hybrid NVMe bays	2
# of PCIe x8 3.0	2
# of USB Ports	2 x USB 3.0 (rear) 1 x USB 3.0 Type A 2 x USB 2.0 (header)
# of SATA Ports	10
# of Super DOM	2
Storage Controllers	10 x AHCI iSATA 6Gb/s 2 x sSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (header)
# of 25GbE Ports	2 x SFP28
Network Controllers	25GbE SFP28 ports via AOC-URN4-M2TS-O (Mellanox ConnectX-4 Lx EN)
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
TPM	1 x TPM 1.2 20-pin Header
Power Supply	Redundant 1+1
PSU Wattage	1600 W
PSU Certification	80+ Titanium
Chassis Dimensions	437 x 43 x 706 mm
Uwagi	Hot-swap Configuration: 20x NVMe:CPU1:8x NVMe 2x NVMe/SAS/SATA3 hybrid ports CPU2:10x NVMe ports 1x M.2 NVMe 1x M.2 SATA3 2x M.2 NVMe AOC



UWAGA !!!

Ze względu na wysoki stopień integracji platforma dostępna jest tylko i wyłącznie jako gotowy system wraz z CPU, RAM i HDD oraz dodatkowymi kartami rozszerzeń. Prosimy o kontakt z nami w celu przedstawienia oferty na interesującą Państwa konfigurację.

Product SKUs
SYS-1029UZ-TN20R25M • SuperServer 1029UZ-TN20R25M (Black)

Motherboard

Super X11DPU-Z+

Processor/Cache

- CPU
- Dual Socket P (LGA 3647)
 - Intel® Xeon® Scalable Processors, 3 UPI up to 10.4GT/s
 - Support CPU TDP 70-205W
- Cores
- Up to 28 Cores with Intel® HT Technology

System Memory

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

On-Board Devices

- Chipset
- Intel® C621 chipset
- SATA
- SATA3 (6Gbps); RAID 0, 1, 5, 10
 - 2 25GbE SFP28 ports via AOC-URN4-MZTS (Mellanox ConnectX-4 Lx EN)
 - Download networking card drivers [here](#)
 - Support for Intelligent Platform Management Interface v.2.0
- Network Connectivity
- IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
 - ASPEED AST2500 BMC
- IPMI
- Graphics

Input / Output

- NVMe
- 8 NVMe ports + 2 SAS/SATA3/NVMe Hybrid Ports (from CPU 1)
 - 10 NVMe ports (from CPU 2)
- LAN
- 2 25GbE SFP28 ports
 - 1 RJ45 Dedicated IPMI LAN port
- USB
- 3 USB 3.0 ports (2 rear, 1 Type A)
 - 2 USB 2.0 ports (front)
- Video
- 1 VGA port
- Serial Port
- 1 Serial header
- DOM
- 2 SuperDOM (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
 - NMI
 - SSM, SPM, SUM
 - SuperDoctor® 5
 - WatchDog
- Power Configurations
- ACPI 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 fan connectors

Chassis

- Form Factor
- 1U Rackmount
- Model
- CSE-116UTQ20-R1K62-T

Dimensions and Weight

- Height
- 1.7" (43mm)
- Width
- 17.2" (437mm)
- Depth
- 27.8" (706mm)
- Gross Weight
- 48 lbs (21.8 kg)
- Available Color
- Black

Front Panel

- Buttons
- Power On/Off button
 - System UID button
 - Power LED
 - Hard drive activity LED
 - Network activity LEDs
 - UID LED
- LEDs

Expansion Slots

- 2 PCI-E 3.0 x8 slots (FH, FL)
- For 20 NVMe configuration, only 1 PCI-E 3.0 x8 is available.
- For 18 NVMe configuration, 2 PCI-E 3.0 x8 will be available.

PCI-Express

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

Drive Bays / Storage

- 20 Hot-swap 2.5" 7mm drive bays
- Hot-swap
- 20 NVMe (CPU1: 8 NVMe + 2 NVMe/SAS/SATA3 hybrid ports, CPU2: 10 NVMe ports)
 - 1 M.2 NVMe (2240/2260/2280/22110)
 - 1 M.2 SATA3 via optional cable CBL-SAST-0538 (2240/2260/2280/22110)
 - 2 M.2 NVMe via optional add-on card AOC-SLG3-2M2 (2260/2280/22110)
- M.2

System Cooling

- Fans
- 8 Heavy duty fans with optimal fan speed control
- Air Shroud
- 2 Air Shroud

Power Supply

- 1600W Redundant Power Supplies with PMBus
- Total Output Power
- 1000W/1600W
- Dimension (W x H x L)
- 73.5 x 40 x 203 mm
- Input
- 100-127Vac / 13 - 9A / 50-60Hz
 - 200-240Vac / 10 - 8A / 50-60Hz
- +12V
- Max: 83.3A / Min: 0A (100-127Vac)
 - Max: 133A / Min: 0A (200-240Vac)
- 12Vsb
- Max: 2.1A / Min: 0A
- Output Type
- 25 Pairs Gold Finger Connector



- Certification
- UL/cUL/CB/BSMI/CE/CCC
 - Titanium Level
 - [Test Report]

Operating Environment

- RoHS
- 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)
- Environmental Spec.
- 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-1029uz-tn20r25m-1u-dp-20xnvme-2x25gbe-red-psu-p-3738.html>