

Supermicro SuperServer SYS-2028U-TNR4T+ 2U DP 20xSFF 4xNVMe 4x10GbE RED PSU

Kod producenta: SYS-2028U-TNR4T+

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	160W
Chipset	Intel C612 Wellsburg
Memory Type	DDR4 ECC 3DS LRDIMM DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2400 MHz 2133 MHz 1866 MHz 1600 MHz
# of DIMM's	24
Max Memory Size	3072 GB
Integrated GPU	Aspeed AST2400
# of 2.5 hot-swap bays	20
# of 2.5 Hybrid NVMe bays	4
Backplanes	SAS3/SATA3
# of PCIe x8 3.0	6
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 3.0 (header) 1 x USB 3.0 Type A
# of SATA Ports	8
# 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 (header)
# of 10GbE Ports	4 x Base-T
Network Controllers	Intel X540 Quad Port 10GBase-T
Integrated BMC	IPMI 2.0 KVM-over-LAN Virtual Media over LAN IPMI Dedicated RJ45 PHY
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header
Power Supply	Redundant
PSU Wattage	1000W
PSU Certification	80+ Titanium
Rack Rails	included
Chassis Dimensions	437 x 89 x 647mm
Uwagi	HDD bays configuration: Optional 24x SAS3 ports via AOC

Poniżej prezentujemy szczegółowy opis techniczny oferowanego produktu:

Product SKUs		✕		✕		✕		Chassis	
SYS-2028U-TNR4T+ • SuperServer 2028U-TNR4T+ (Black)								Form Factor • 2U Rackmount	
Motherboard								Model • CSE-219UAC-R1K02	
✕								✕	
Super X10DRU-1+								Dimensions and Weight	
✕								✕	
Processor/Cache								Width • 17.2" (437mm)	
✕								Height • 3.5" (89mm)	
CPU		• Intel® Xeon® processor E5-2600 v4/ v3 family (up to 160W TDP) *						Depth • 27.76" (705.3mm)	
Cores / Cache		• Dual Socket R3 (LGA 2011)						Weight	
System Bus		• Up to 22 Cores / Up to 55MB Cache						• Net Weight: 36 lbs (16.4 kg)	
Note		• QPI up to 9.6 GT/s						• Gross Weight: 72 lbs (32.7 kg)	
Note		• BIOS version 2.0 or above is required						Available Colors	
		* Please contact Supermicro Technical Support for additional information about frequency optimized CPUs and specialized system optimization.						• Black	
System Memory								Front Panel	
✕								✕	
Memory Capacity		• 24x 288-pin DDR4 DIMM slots						Buttons	
Memory Type		• Up to 3TB ECC 3DS LRDIMM, 768GB ECC RDIMM						• Power On/Off button	
DIMM Sizes		• 2400/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit						• System Reset button	
Memory Voltage		• 64GB, 32GB, 16GB, 8GB, 4GB						LEDS	
Error Detection		• 1.2 V						• Power status LED	
		• Corrects single-bit errors						• HDD activity LED	
On-Board Devices								• 2x Network activity LEDs	
✕								• System information (overheat/UID) LED	
Chipset		• Intel® C612 chipset						Expansion Slots	
SATA		• SATA3 (6Gbps) with RAID 0, 1, 5, 10						✕	
IPMI		• Support for Intelligent Platform Management Interface v.2.0						• 6x PCI-E 3.0 x8 slots (4x FH, 10.5" L, 1x LP, 1x Internal LP)	
Network Connectivity		• IPMI 2.0 with virtual media over LAN and KVM-over-LAN support						PCI-Express	
Graphics		• ASPEED AST2400 BMC						(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.)	
		• 4x 10GBase-T ports via AOC2URNU4XT						Drive Bays	
		• Intel® X540 10GBase-T						✕	
		• 1x Realtek RTL8211E PHY (dedicated IPMI)						• 24x 2.5" Hot-swap drive bays	
		• ASPEED AST2400 BMC						• Default 6x SATA3 ports and 4x NVMe ports	
								• Optional 24x SAS3 ports via AOC	
								Hot-swap	
								Note: optional storage card is required to support more than 10 drives.	
Input / Output								System Cooling	
✕								✕	
SATA		• 8x SATA3 (6Gbps) ports						Fans	
SAS		• 24x SAS3 ports support via optional Add-on Cards						• 4x 8cm heavy duty PWM fans	
NVMe		• 4x NVMe ports						Power Supply	
LAN		• 4x RJ45 10GBase-T LAN ports						1000W Redundant Power Supplies with PMBus	
USB		• 1x RJ45 Dedicated IPMI LAN port						Total Output	
Video		• 5x USB 3.0 ports (2 rear, 2 onboard header, 1 Type A)						Power	
Serial Port / Header		• 1x Serial header						• 800W/1000W	
DOM		• 2x SuperDIMM (Disk on Module) ports						Dimension (W x H x L)	
System BIOS								• 73.5 x 40 x 203 mm	
✕								Input	
BIOS Type		• 128Mb SPI Flash EEPROM with AMI BIOS						• 100-127Vac / 9.8 - 7A / 50-60Hz	
BIOS Features		• Plug and Play (PnP)						• 200-240Vac / 7 - 5A / 50-60Hz	
		• APM 1.2						• Max: 66.7A / Min: 0A (100-127Vac)	
		• PCI 2.3						• Max: 83A / Min: 0A (200-240Vac)	
		• ACPI 1.0 / 2.0 / 3.0 / 4.0						• Max: 2.1A / Min: 0A	
		• USB Keyboard support						Output Type	
		• SMBIOS 2.7.1						• 25 Pairs Gold Finger Connector	
		• UEFI 2.3.1						✕ ✕	
Management								UL/CUL/CB/BSMI/CE/CCC	
✕								Titanium Level [Test Report]	
Software		• SuperDoctor® 5						PC Health Monitoring	
Power Configurations		• Intel® Node Manager 3.0						✕	
		• Watch Dog						Voltage	
		• NMI						• Monitors for CPU Cores, +1.8V, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory Voltages.	
		• SMI and SSM						• 5+1 Phase-switching voltage regulator	
		• Optional IPMI 1.5 / 2.0						• 8x 4-pin fan headers	
		• ACPI Power Management						• Status monitor for speed control	
		• Power-on mode for AC power recovery						• Pulse Width Modulated (PWM) fan connectors	
								• Support to monitor Supermicro AOC temperatures from IPMI or SD 5	
								• Monitoring for CPU and chassis environment	
								• CPU thermal trip support	
								• Thermal Control for 8x Fan Connectors	
								• Thermal Monitor 2 (TM2) support	
								• PECI	
								• Memory DIMM ECC error LEDs	
								• CPU / System Overheat LED	
								• Suspend static indicator LED	
								• UID/Remote UID	
								• 4x 8-pin GPU power connectors	
								• Chassis intrusion detection	
								• Chassis intrusion header	
								• SDDC Support	
								• RoHS	
Operating Environment / Compliance								✕	
✕								RoHS	
RoHS		• RoHS Compliant						• Operating Temperature: 10°C to 35°C (50°F to 95°F)	
Environmental Spec.		• Operating Temperature: -40°C to 60°C (-40°F to 140°F)						• Non-operating Temperature: -40°C to 60°C (-40°F to 140°F)	
		• Operating Relative Humidity: 8% to 90% (non-condensing)						• Operating Relative Humidity: 5% to 95% (non-condensing)	
		• Non-operating Relative Humidity: 5% to 95% (non-condensing)							

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.

Strona firmowa produktu:
<https://www.superstorage.pl/supermicro-superserver-sys-2028u-tnr4t-2u-dp-20xsff-4xnvme-4x10gbe-red-psu-p-986.html>

