

Supermicro SuperServer SYS-2028U-TN24R4T+ 2U DP 24xNVMe 4x10GbE RED PSU

Kod producenta: SYS-2028U-TN24R4T+



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	160 W
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 NVMe bays	24
# of 2.5 Hybrid NVMe bays	4
# of PCIe x16 3.0	2
# of PCIe x8 3.0	1
# 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	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 (header)
# of 10GbE Ports	4 x Base-T
Network Controllers	Intel x540 Quad Port 10 Gigabit Base-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	1600W
PSU Certification	80+ Titanium
Chassis Dimensions	437 x 89 x 705.3mm
Uwagi	PCI-Express Slots Configuration: 2x PCI-E 3.0 x16 (FH, 10.5" L) slots 1x PCI-E 3.0 x8 (LP) slot HDD bays configuration: Optional 4x SAS3 ports via AOC

Poniżej prezentujemy szczegółowy opis techniczny oferowanego produktu:

Product SKUs	
SYS-2028U-TN24R4T+ • SuperServer 2028U-TN24R4T+ (Black)	
Motherboard	
Super X10DRU-1+	
Processor/Cache	
CPU	- Intel® Xeon® processor E5-2600 v4/ v3 family (up to 160W TDP) * - Dual Socket R3 (LGA 2011)
Cores / Cache	Up to 22 Cores / Up to 55MB Cache
System Bus	CPI up to 9.6 GT/s
Note	* BIOS version 2.0 or above is required * Please contact Supermicro Technical Support for additional information about frequency optimized CPUs and specialized system optimization.
System Memory	
Memory Capacity	24x 288-pin DDR4 DIMM slots - Up to 3TB* ECC 3DS LRDIMM, 768 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 4x 10GBase-T ports via AOC-21URGN1-4XT - Intel® X540 10GBase-T 1x Realtek RTL8211E PHY (dedicated IPMI) - ASPEED AST2400 BMC
Network Connectivity	
Graphics	
Input / Output	
SATA	6x SATA3 (6Gbps) ports (4x SATA3 via optional cable)
SAS	4x SAS3 ports support via optional AOC
NVMe	24x NVMe ports
LAN	4x 10GBase-T LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	5x USB 3.0 ports
Video	(2 rear, 2 onboard header, 1 Type A)
Serial Port / Header	1x VGA Connector
DOM	1x Serial header 2x SuperDOM (Disk on Module) ports
System BIOS	
BIOS Type	128Mb SPI Flash EEPROM with AMI BIOS - Plug and Play (PnP) - APM 1.2 - PCI 2.3
BIOS Features	- ACPI 1.0 / 2.0 / 3.0 / 4.0 - USB Keyboard support - SMBIOS 2.7.1 - UEFI 2.3.1
Management	
Software	SuperDoctor® 5 - Intel® Node Manager 3.0 - Watch Dog - NMI SLM and SSM - Optional IPMI 1.5 / 2.0 - ACPI Power Management
Power Configurations	Power-on mode for AC power recovery
Chassis	
Form Factor	2U Rackmount
Model	CSE-219UAC-R1K02
Dimensions and Weight	
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 - HDD activity LED
LEDs	2x Network activity LEDs - System information (overheat/UID) LED
Expansion Slots	
PCI-Express	2x PCI-E 3.0 x16 (FH, 10.5" L) slots 1x PCI-E 3.0 x8 (LP) slot
Drive Bays	
Hot-swap	Total 26x Tool-less Hot-swap 2.5" drive bays (Front: 24, Rear: 2): 4 x Hybrid (NVMe/SATA3) ports - Optional SAS3 support via AOC
System Cooling	
Fans	4x 8cm heavy duty PWM fans
Power Supply	
1600W Redundant Titanium Level AC Power Supplies with PMBus	
Input	100-127 V, 50-60 Hz 200-240 V, 50-60 Hz - Max: 83.3A & Min: 0A (100Vac-127Vac) - Max: 133A & Min: 0A (200Vac-240Vac)
+12V	Max: 2.1A
12V SB	Min: 0A
Certification	Titanium Level Certified [Test Report]
PC Health Monitoring	
Voltage	- Monitors for CPU Cores, +1.8V, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory Voltages. 5+1 Phase-switching voltage regulator
FAN	8x 4-pin fan headers - Status monitor for speed control - Pulse Width Modulated (PWM) fan connectors - Support to monitor Supermicro AOC temperatures from IPMI or SD 5 - Monitoring for CPU and chassis environment
Temperature	- 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
LED	4x 8-pin GPU power connectors
Other Features	- Chassis intrusion detection - Chassis intrusion header - SDDC Support - RoHS
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 60°C (-40°F to 140°F) - Operating Relative Humidity: 8% to 90% (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-tn24r4t-2u-dp-24xnvme-4x10gbe-red-ps-u-p-1989.html>