

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

Kod producenta: SYS-2028U-TNRT+

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	7
# 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	8 x AHCI iSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (header)
# of 10GbE Ports	2 x Base-T
Network Controllers	Intel x540 Dual 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	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 Note: optional storage card is required to support more than 10 drives



Poniżej prezentujemy szczegółowy opis techniczny oferowanego produktu:

Product SKUs		Chassis	
SYS-2028U-TNRT+ • SuperServer 2028U-TNRT+ (Black)		Form Factor Model • 2U Rackmount • CSE-219UAC-R1K02	
Motherboard		Dimensions and Weight	
Super X10DRU-1+		Width Height Depth Weight Available Colors • 17.2" (437mm) • 3.5" (89mm) • 27.76" (705.3mm) • Net Weight: 36 lbs (16.4 kg) • Gross Weight: 72 lbs (32.7 kg) • Black	
Processor/Cache		Front Panel	
CPU Cores / Cache System Bus Note Note		Buttons LEDs	
• Intel® Xeon® processor E5-2600 v4/ v3 family (up to 160W TDP) * • Dual Socket R3 (LGA 2011) • Up to 22 Cores / Up to 55MB Cache • QPI up to 9.6 GT/s * BIOS version 2.0 or above is required * Please contact Supermicro Technical Support for additional information about frequency optimized CPUs and specialized system optimization.		• Power On/Off button • System Reset button • Power status LED • HDD activity LED • 2x Network activity LEDs • System Information (overheat/UID) LED	
System Memory		Expansion Slots	
Memory Capacity Memory Type DIMM Sizes Memory Voltage Error Detection		• 7x PCI-E 3.0 x8 slots (5x FH, 10.5" L, 1x LP, 1x Internal LP)	
• 24x 288-pin DDR4 DIMM slots • Up to 3TB ECC 3DS LRDIMM, 768GB ECC RDIMM • 2400/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit • 64GB, 32GB, 16GB, 8GB, 4GB • 1.2 V • Corrects single-bit errors		PCI-Express Drive Bays Hot-swap	
On-Board Devices		(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.)	
Chipset SATA IPMI Network Connectivity Graphics		• Intel® C612 chipset • SATA3 (6Gbps) with RAID 0, 1, 5, 10 • Support for Intelligent Platform Management Interface v.2.0 • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support • ASPEED AST2400 BMC • 2x 10GBase-T ports via AOC-2UB8M4-12XT • Intel® X540 10GBase-T • 1x Realtek RTL8211E PHY (dedicated IPMI) • ASPEED AST2400 BMC	
Input / Output		System Cooling	
SATA SAS NVMe LAN USB Video Serial Port / Header DOM		Fans	
• 8x SATA3 (6Gbps) ports • 24x SAS3 ports support via optional Add-on Cards • 4x NVMe ports • 2x 10GBase-T LAN ports • 1x RJ45 Dedicated IPMI LAN port • 5x USB 3.0 ports (2 rear, 2 onboard header, 1 Type A) • 1x VGA Connector • 1x Serial header • 2x SuperDIMM (Disk on Module) ports		• 4x 8cm heavy duty PWM fans	
System BIOS		Power Supply	
BIOS Type BIOS Features		1000W Redundant Power Supplies with PMBus Total Output Power Dimension (W x H x L) Input +12V 12Vsb Output Type	
• 128Mb SPI Flash EEPROM with AMI BIOS • Plug and Play (PnP) • APM 1.2 • PCI 2.3 • ACPI 1.0 / 2.0 / 3.0 / 4.0 • USB Keyboard support • SMBIOS 2.7.1 • UEFI 2.3.1		• 800W/1000W • 73.5 x 40 x 203 mm • 100-127Vac / 9.8 - 7A / 50-60Hz • 200-240Vac / 7 - 5A / 50-60Hz • Max: 66.7A / Min: 0A (100-127Vac) • Max: 83A / Min: 0A (200-240Vac) • Max: 2.1A / Min: 0A • 25 Pairs Gold Finger Connector	
Management		Certification	
SuperDoctor® 5 Intel® Node Manager 3.0 Watch Dog NMI SMB and SSM Optional IPMI 1.5 / 2.0 ACPI Power Management Power-on mode for AC power recovery		UL/CUL/CB/BSMI/CE/CCC Titanium Level [Test Report]	
		PC Health Monitoring	
		Voltage FAN Temperature LED Other Features	
		• Monitors for CPU Cores, +1.8V, +1.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory Voltages. • 5+1 Phase-switching voltage regulator • 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 • 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 Environmental Spec.	
		• RoHS Compliant • 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-tnrt-2u-dp-20xsff-4xnvme-2x10gbe-red-psu-p-987.html

