

Supermicro SuperServer SYS-6028U-E1CNRT+ 2U DP 12xLFF 4xNVMe 2x10GbE RED PSU

Kod producenta: SYS-6028U-E1CNRT+

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 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 3.5 hot-swap bays	12
# of 3.5 NVMe bays	4
# 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	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	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
Chassis Dimensions	437 x 89 x 723mm
Uwagi	HDD bays configuration: 12x 3.5" Hot-swap drive bays: 4x NVMe ports 12 x SAS3 ports via Expander and AOC: AOC-S3108L-H8iR-16DD AOC-S3108L-H8iR AOC-S3008L-L8e AOC-S3008L-L8i

Poniżej prezentujemy szczegółowy opis techniczny oferowanego produktu:

Product SKUs	
SYS-6028U-E1CNRT+	• SuperServer 6028U-E1CNRT+ (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	• QPI up to 9.6 GT/s
Note	• BIOS version 2.0 or above is required
Note	* 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
Memory Type	• Up to 3TB ¹ ECC 3DS LRDIMM, 768GB ECC RDIMM
DIMM Sizes	• 2400 /2133/1866/1600MHz ECC DDR4 SDRAM 72-bit
Memory Voltage	• 64GB, 32GB, 16GB, 8GB, 4GB
Error Detection	• 1.2 V
	• Corrects single-bit errors
On-Board Devices	
Chipset	• Intel® C612 chipset
SATA	• SATA3 (6Gbps) with RAID 0, 1, 5, 10
	• Support for Intel® Management Interface v2.0
IPMI	• IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
	• ASPEED AST2400 BMC
	• 2x 10GBase-T ports via AOC-2URBN4-i2XT
Network Connectivity	• Intel® X540 10GBase-T
	• 1x Realtek RTL8211E PHY (dedicated IPMI)
Graphics	• ASPEED AST2400 BMC
Input / Output	
	• 12x SAS3 ports support via expander and storage Add-on Cards
	• One of the following storage Add-on cards required:
SAS	AOC-S3108L-H8IR-16DD (12Gbps SAS3/RAID 0, 1, 5, 6, 10, 50, 60, 2GB DDR3 cache, PCI-E Gen3 16 HDD)
	AOC-S3108-H8IR (12Gbps SAS3/RAID 0, 1, 5, 6, 10, 50, 60, 2GB DDR3 cache, PCI-E Gen3)
	AOC-S3008L-L8i (12Gbps SAS3/RAID 0,1 and 10, PCI-E Gen3)
NVMe	AOC-S3008L-L8e (12Gbps SAS3/HBA, PCI-E Gen3)
LAN	• 4x NVMe ports
	• 2x RJ45 10GBase-T LAN ports
USB	• 1x RJ45 Dedicated IPMI LAN port
Video	• 5x USB 3.0 ports
Serial Port / Header	(2 rear, 2 onboard header, 1 Type A)
DOM	• 1x VGA Connector
	• 1x Serial header
	• 2x SuperDOM (Disk on Module) ports
System BIOS	
BIOS Type	• 128Mb SPI Flash EEPROM with AMI BIOS
	• Plug and Play (PnP)
BIOS Features	• 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
Management	
Software	• SuperDoctor® 5
	• Intel® Node Manager 3.0
	• Watch Dog
	• NMI
	• SMM and SSM
	• Optional IPMI 1.5 / 2.0
Power Configurations	• ACPI Power Management
	• Power-on mode for AC power recovery
Chassis	
Form Factor	• 2U Rackmount
Model	• CSE-829UE1C4-R1K02
Dimensions and Weight	
Width	• 17.2" (437mm)
Height	• 3.5" (89mm)
Depth	• 28.46" (723mm)
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
LEDs	• Power status LED
	• HDD activity LED
	• 2x Network activity LEDs
	• System information (overheat/UID) LED
Expansion Slots	
	• Up to 7x PCI-E 3.0 x8 slots (up to 5x FH, 10.5" L, 1x LP, 1x Internal LP)
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	
Hot-swap	• 12x 3.5" Hot-swap drive bays
	• Default 4x NVMe ports
	• 12x SAS3 ports via Expander and AOC
	Note: Storage Add-on card is required
System Cooling	
Fans	• 4x 8cm heavy duty PWM fans
Power Supply	
1000W Redundant Power Supplies with PMBus	
Total Output Power	• 800W/1000W
Dimension (W x H x L)	• 73.5 x 40 x 203 mm
Input	• 100-127Vac / 9.8 - 7A / 50-60Hz
	• 200-240Vac / 7 - 5A / 50-60Hz
+12V	• Max: 66.7A / Min: 0A (100-127Vac)
	• Max: 83A / 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]
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
LED	• Memory DIMM ECC error LEDs
	• CPU / System Overheat LED
	• Suspend static indicator LED
	• UID/Remote UID
Other Features	• 4x 8-pin GPU power connectors
	• Chassis intrusion detection
	• Chassis intrusion header
	• SDDC Support
	• RoHS
Operating Environment / Compliance	
RoHS	• RoHS Compliant
	• Operating Temperature: 10°C to 35°C (50°F to 95°F)
Environmental Spec.	• Non-operating Temperature: -40°C to 70°C (-40°F to 158°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.

