Supermicro SuperServer SYS-6028U-TR4+ 2U DP 12xLFF 4xGbE RED PSU

Part number: SYS-6028U-TR4+

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 3.5 hot-swap bays	12
Backplanes	SAS3/SATA3
# of PCIe x16 3.0	1
# 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 1GbE Ports	4 x RJ45
Network Controllers	Intel i350 Quad Port Gigabit Ethernet
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 647mm

Product SKUs

SYS-6028U-TR4+	• SuperServer 6028U-TR4+ (**Black**)

Motherboard

Super X10DRU-i+

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 • Up to 3TB† ECC 3DS LRDIMM, 768 ECC RDIMM
Memory Type	• **2400**†/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit
DIMM Sizes	• 64GB, 32GB, 16GB, 8GB, 4GB
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
IPMI	• 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
Network Connectivity	• 4x GbE ports via AOC-2UR68-i4G • Intel® i350 Gigabit Ethernet Controller • 1x Realtek RTL8211E PHY (dedicated IPMI)
Graphics	• ASPEED AST2400 BMC

Input / Output

SATA	• 10x SATA3 (6Gbps) ports
SAS	• 12x SAS3 ports support via optional Add-on Card
LAN	• 4x RJ45 Gigabit Ethernet LAN ports • 1x RJ45 Dedicated IPMI LAN port
USB	• 5x USB 3.0 ports (2 rear, 2 onboard header, 1 Type A)
Video	• 1x VGA Connector
Serial Port / Header	• 1x Serial header
DOM	• 2x SuperDOM (Disk on Module) ports

System BIOS

BIOS Type	• 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	• 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

Management

Software	• SuperDoctor® 5 • Intel® Node Manager 3.0 • Watch Dog • NMI • SUM 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-829UAC-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

PCI-Express	• 1x PCI-E 3.0 x16 slot (FH, 10.5" L) • 7x PCI-E 3.0 x8 slots (5x FH, 10.5" L, 1x LP, 1x Internal LP) (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 Hot-swap 3.5" Drive Bays: 10x SATA3 ports by default • Optional drive support: 12x SAS3 Note: optional storage card is required to support more than 10 drives.

Backplane

2U SAS/SATA backplane

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
Temperature	• 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
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
Environmental Spec.	• Operating Temperature: 5°C to 40°C (41°F to 104°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)

Due to the complexity of integration, this product is sold as completely assembled systems only (with minimum 2 CPU and 4 DIMM). Please contact your Supermicro sales rep for special requirements.

Visit us for more info:
https://www.superstorage.pl/supermicro-superserver-sys-6028u-tr4-2u-dp-12xlff-4xgbe-red-psu-p-746.html