Supermicro SuperServer SYS-1029U-E1CRTP 1U DP 10xSFF 2x10GbE SFP+ RED PSU

Part number: SYS-1029U-E1CRTP

Chassis Form Factor	Rack 1U
CPU Socket	LGA 3647 (Socket P)
# of CPU sockets	2
Supported CPU's	Intel Xeon Scalable Processors
Max CPU TDP	205 W
Chipset	Intel C621
Memory Type	DDR4 ECC 3DS LRDIMM DDR4 ECC RDIMM
Memory Speed	2666 MHz 2400 MHz 2133 MHz
# of DIMM's	24
Max Memory Size	3072 GB
Integrated GPU	Aspeed AST2500
# of 2.5 hot-swap bays	10
# of PCIe x16 3.0	2
# of PCIe x8 3.0	2
# 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
Storage Controllers	10 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 SFP+
Network Controllers	Intel 82599ES Dual port 10Gigabit SFP+
Integrated BMC	IPMI 2.0 KVM-over-LAN Virtual Media over LAN IPMI Dedicated RJ45 PHY
BMC chip	Aspeed AST2500
Power Supply	Redundant
PSU Wattage	750W
PSU Certification	80+ Platinum
Chassis Dimensions	437 x 43 x 724mm

Product SKUs

SYS-1029U-E1CRTP • SuperServer 1029U-E1CRTP (**Black**)

Motherboard

Super X11DPU

Processor/Cache

CPU	• Dual Socket P (LGA 3647) • Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s • Support CPU TDP 70-205W with IVR
Cores	• Up to 28 Cores with Intel® HT Technology

System Memory

Memory Capacity	• 24 DIMM slots • Up to 3TB ECC 3DS LRDIMM, 3TB ECC RDIMM, DDR4 up to 2666MHz
Memory Type	• 2666/2400/2133MHz ECC DDR4 SDRAM

On-Board Devices

Chipset	• Intel® C621 chipset
SATA	• SATA3 (6Gbps); RAID 0, 1, 5, 10
Network Connectivity	• 2 10G SFP+ ports via AOC-URN2-I2XS (Intel® 82599ES)
IPMI	• Support for Intelligent Platform Management Interface v.2.0 • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Graphics	• ASPEED AST2500 BMC

Input / Output

SAS	• 10 SAS3 ports support via expander and storage Add-on Cards
LAN	• 2 10G SFP+ ports • 1 RJ45 Dedicated IPMI LAN port
USB	• 5 USB 3.0 ports (2 rear, 2 front, 1 Type A)
Video	• 2 VGA ports (1 rear, 1 onboard)
Serial Port	• 1 Serial header

System BIOS

BIOS Type	• AMI 32Mb SPI Flash ROM

Management

Software	• Intel® Node Manager • Redfish API • IPMI 2.0 • KVM with dedicated LAN • NMI • SSM, SPM, SUM • SuperDoctor® 5
Power Configurations	• ACPI Power Management

PC Health Monitoring

CPU	• Monitors for CPU Cores, Chipset Voltages, Memory. • 4+1 Phase-switching voltage regulator
FAN	• Fans with tachometer monitoring • Status monitor for speed control • Pulse Width Modulated (PWM) fan connectors
Temperature	• Monitoring for CPU and chassis environment • Thermal Control for 8x fan connectors

Chassis

Form Factor	• 1U Rackmount
Model	• **CSE-119UE1C-R751-T**

Dimensions and Weight

Height	• 1.7" (43mm)
Width	• 17.2" (437mm)
Depth	• 27.8" (707mm)
Weight	• Net Weight: 26 lbs (11.8 kg) • Gross Weight: 41 lbs (18.6 kg)
Available Color	• Black

Front Panel

Buttons	• Power On/Off button • System Reset button
LEDs	• Power LED • Hard drive activity LED • Network activity LEDs • System Overheat LED / Fan fail LED / UID LED

Expansion Slots

PCI-Express	• 2 PCI-E 3.0 x16 (Full-height, 10.5" L) • 2 PCI-E 3.0 x8 (1 LP, 1 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	• 10 Hot-swap 2.5" drives supported via expander

System Cooling

Fans	• 8 Heavy duty fans with optimal fan speed control
Air Shroud	• 1 Air Shroud

Power Supply

750W Redundant AC-DC Power Supplies, +12V/+12Vsb output

AC Input	• 100-127Vac, 50-60Hz • 200-240Vac, 50-60Hz
+12V	• Max: 62.5A & Min: 0A (100Vac-127Vac) • Max: 62.5A & Min: 0A (200Vac-240Vac)
12V SB	• Max: 2.1A • Min: 0A
Certification	**Platinum Level** **[Test Report]**

Operating Environment

RoHS	• RoHS Compliant
Environmental Spec.	• Operating Temperature: 10°C ~ 35°C (50°F ~ 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)

Due to the complexity of integration, this product is sold as completely assembled systems only (including but not limited to CPUs, memory, and HDDs). Please contact your sales rep for special requirements.

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