

SuperServer 1029P-MTR



Key Features

- Data Center Optimized
- Web Server
- Enterprise Server
- Managed Hosting
- Short Depth

1. Dual socket P (LGA 3647) supports Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
2. Up to 1TB ECC 3DS LRDIMM, up to DDR4-2666MHz; 8 DIMM slots
3. 1 PCI-E 3.0 x8 (FHHL) slot
4. 8 Hot-swap 2.5" SATA3 drive bays, 1 Slim DVD-ROM drive (optional), Optional PCIe/SATA M.2 drive
5. 2 1GbE LAN ports via Marvell 88E1512
6. IPMI 2.0 + KVM with Dedicated LAN
7. 1 VGA, 2 USB 2.0 (rear)
8. 2 SuperDOM (Disk on Module) ports; 1 PCIe/SATA M.2 drive connector
9. 600W Redundant Power Supplies Platinum Level

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[▶ BIOS](#)
[▶ IPMI](#)
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Note: Image above may show a varied configuration or optional parts, Please refer to parts list for standard parts included.

Specifications

Product SKUs

SYS-1029P-MTR ■ SuperServer 1029P-MTR (Black)

Motherboard

[Super X11DPL-i](#)

Processor/Cache

CPU

- Dual Socket P (LGA 3647)
- Intel® Xeon® Scalable Processors, Dual UPI up to 10.4GT/s
- Support CPU TDP 70-140W with IVR

Cores

- Up to 28 Cores with Intel® HT Technology

System Memory

Memory Capacity

- 8 DIMM slots
- Up to 1TB ECC 3DS LRDIMM, 512GB ECC RDIMM, DDR4 up to 2666MHz

Memory Type

- 2666/2400/2133MHz ECC DDR4 SDRAM

Chassis

Form Factor

- 1U Rackmount

Model

- [CSE-113MFAC2-R608CB](#)

Dimensions and Weight

Width

- 17.2" (437mm)

Height

- 1.7" (43mm)

Depth

- 19.98" (508mm)

Package

- 23.4" (W) x 8.5" (H) x 29.7" (L)

Weight

- Net Weight: 20.7 lbs (9.4 kg)
- Gross Weight: 31.1 lbs (14.1 kg)

Available Colors

- Black

Front Panel


Buttons

- Power On/Off button
- System Reset button

LEDs

- Power status LED
- HDD activity LED
- Network activity LEDs

On-Board Devices	
Chipset	▪ Intel® C621 chipset
SATA	▪ SATA3 (6Gbps); RAID 0, 1, 5, 10
Network Controllers	▪ Marvell 88E1512 PHY Gigabit Ethernet controller ▪ Supports 1000BASE-T
IPMI	▪ Support for Intelligent Platform Management Interface v.2.0 ▪ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Video	▪ ASPEED AST2500 BMC
Input / Output	
SATA	▪ 8 SATA3 (6Gbps) ports
LAN	▪ 2 RJ45 Gigabit Ethernet LAN ports ▪ 1 RJ45 Dedicated IPMI LAN port
USB	▪ 2 USB 2.0 ports (rear)
Video	▪ 1 VGA port
Serial Port / Header	▪ 1 COM port (header)
DOM	▪ 2 SuperDOM (Disk on Module) ports
System BIOS	
BIOS Type	▪ 256Mb SPI Flash EEPROM with AMI BIOS
Management	
Software	▪ Intel® Node Manager ▪ IPMI 2.0 ▪ KVM with dedicated LAN ▪ NMI ▪ SSM, SPM, SUM ▪ SuperDoctor® 5 ▪ Watch Dog
Power Configurations	▪ ACPI / APM 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 fan connectors

	▪ Universal Information (UID) LED
Expansion Slots	
PCI-Express	▪ 1 PCI-E 3.0 x8 (FHHL) slot
Drive Bays	
Hot-swap	▪ 8 Hot-swap 2.5" SATA3 drive bays
Peripheral Drives	
Optional	▪ Slim DVD-ROM drive (optional) ▪ PCIe/SATA M.2 drive (optional)
System Cooling	
Fans	▪ 4x 4cm 22.5K RPM middle cooling fans
Power Supply with Power Distributor	
600W Redundant Power Supplies	
Dimension (W x H x L)	▪ 54.5 x 40.25 x 220 mm
Input	▪ 90-264V, 50-60Hz, 7.5 - 2.5A
+12V	▪ Max: 50A / Min: 0.5A
+5Vsb	▪ Max: 3A / Min: 0A
Output Type	▪ Input: IEC 320 C-14 ▪ Output: Gold Finger
Certification	 UL/cUL/CB/CE/BSMI/CCC Platinum Certified
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)

Parts List

Parts List - (Items Included)			
	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11DPL-i	1	Super X11DPL-i Motherboard
	CSE-113MFAC2-R608CB	1	1U Chassis
Backplane	BPN-SAS3-113A-N2	1	8-port 1U SAS3 12Gbps Hybrid backplane, support up to 6x 2.5-inch SAS3/SATA3 HDD/SSD and 2x SAS3/SATA3/NVMe Storage Devices
Cable 1	CBL-SAST-0631	2	MINI SAS HD-4 SATA,6G,INT,RF,Cross Over,55CM,55CM SB,30AWG
Parts	MCP-260-00111-0N	1	1U I/O Shield for X11DPL-i with EMI Gasket
Air Shroud	MCP-310-19015-0N	1	SC813M,SC113M, DP X9DRL-EF/ X9DRL-7F/ X10DRL-i, X9/X10 mylar air shroud, 12
Manual	MNL-2012-QRG	1	1029P-MT/MTR Quick Reference Guide
Riser Card	RSC-RR1U-E8	1	RSC-RR1U-E8
Heatsink / Retention	SNK-P0067PD	2	1U Passive Proprietary CPU Heat Sink for X11DPL Motherboard Equipped with a Square Retention Mechanism
Power Supply	PWS-608P-1R	2	AC-DC 600W single output power supply Platinum Level, Redund
FAN 1	FAN-0154L4	4	40x40x28 mm, 22.5K RPM, SC813MF Middle Cooling Fan,RoHS/REACH

Optional Parts List			
	Part Number	Qty	Description
Network Card(s)	AOC-SGP-i2	-	Standard LP, 2x GbE RJ45, PCI-E x4, Intel® i350AM2
	AOC-SGP-i4	-	Standard LP, 4x GbE RJ45, PCI-E x4, Intel® i350
	AOC-SG-i2	-	Standard LP, 2x GbE RJ45, PCI-E x4, Intel® 82575EB
	AOC-SG-i4	-	Standard LP, 4x GbE RJ45, PCI-E x4, Intel® 82576EB
	AOC-STG-b4S	-	Standard LP, 4x 10GbE SFP+, PCI-E x8, Broadcom® BCM57840S
	AOC-STGN-i2S	-	Standard LP, 2x 10GbE SFP+, PCI-E x8, Intel® 82599ES
	AOC-STGN-i1S	-	Standard LP, 1x 10GbE SFP+, PCI-E x8, Intel® 82599ES
	AOC-STG-i2T	-	Standard LP, 2x 10GbE RJ45, PCI-E x8, Intel® X540
	AOC-STG-i2	-	Standard LP, 2x 10GbE CX4, PCI-E x8, Intel® 82598EB
DVD-ROM / DVD-RW	DVM-PNSC-DVD-SBT3	-	BLACK PANASONIC SLIM DVD ROM SATA DRIVE
	DVM-TEAC-DVD-SBT3	-	BLACK TEAC SLIM DVD ROM SATA DRIVE
	DVM-PLDS-DVDRW-SBT4	-	PHILIPS SLIM BLACK DVD-RW SATA DRIVE
	DVM-TEAC-DVDRW-SBT2	-	BLACK TEAC SLIM DVD-RW SATA DRIVE
DVD-ROM Accessory	MCP-220-81502-0N	-	Slim SATA DVD kit for SC213,219,813,815,818,819,825,828,829,836,842
Global Services & Support	OS4HR3/2/1	-	3/2/1-year onsite 24x7x4 service
	OSNBD3/2/1	-	3/2/1-year onsite NBD service
Software	SFT-OOB-LIC	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)