

# SuperServer 1029P-MT



## 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 High-Efficiency Power Supply Platinum Level Certified

[▶ Drivers & Utilities](#)
[▶ BIOS](#)
[▶ IPMI](#)
[▶ Tested Memory](#)
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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-MT    ■ SuperServer 1029P-MT (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-113MFAC2-605CB

### 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: 19.6 lbs (8.9 kg)  
                           ■ Gross Weight: 29.8 lbs (13.5 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	▪ 1 Slim DVD-ROM drive (optional) ▪ PCIe/SATA M.2 drive (optional)
System Cooling	
Fans	▪ 4x 4cm 22.5K RPM middle cooling fans
Power Supply	
600W High-Efficiency Power Supply w/PMBus 1.2, I <sup>2</sup> C, PFC, and Digital Switching	
AC Input	▪ 100-240V, 50-60Hz
	▪ +3.3V: 15A ▪ +5V: 18A
DC Output	▪ +5V standby: 3A ▪ +12V: 49A ▪ -12V: 0.5A
Certification	 Platinum Certified [ <a href="#">Test Report</a> ]
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
<b>Motherboard / Chassis</b>	MBD-X11DPL-i	1	Super X11DPL-i Motherboard
	CSE-113MFAC2-605CB	1	1U Chassis
<b>Backplane</b>	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
<b>Cable 1</b>	CBL-SAST-0631	2	MINI SAS HD-4 SATA,6G,INT,RF,Cross Over,55CM,55CM SB,30AWG
<b>Parts</b>	MCP-260-00111-0N	1	1U I/O Shield for X11DPL-i with EMI Gasket
<b>Air Shroud</b>	MCP-310-19015-0N	1	SC813M,SC113M, DP X9DRL-EF/ X9DRL-7F/ X10DRL-i, X9/X10 mylar air shroud, 12
<b>Manual</b>	MNL-2012-QRG	1	1029P-MT/MTR Quick Reference Guide
<b>Riser Card</b>	RSC-RR1U-E8	1	RSC-RR1U-E8
<b>Heatsink / Retention</b>	SNK-P0067PD	2	1U Passive Proprietary CPU Heat Sink for X11DPL Motherboard Equipped with a Square Retention Mechanism
<b>Power Supply</b>	PWS-605P-1H	1	1U 600W Multi Output Power Supply PMbus
<b>FAN 1</b>	FAN-0154L4	4	40x40x28 mm, 22.5K RPM, SC813MF Middle Cooling Fan,RoHS/REACH
<b>Rear Window</b>	MCP-240-00085-0N	1	STD rear window for SC113 single PWS

Optional Parts List			
	Part Number	Qty	Description
<b>Network Card(s)</b>	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
<b>DVD-ROM / DVD-RW</b>	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
<b>DVD-ROM Accessory</b>	MCP-220-81502-0N	-	Slim SATA DVD kit for SC213,219,813,815,818,819,825,828,829,836,842
<b>Global Services &amp; Support</b>	<a href="#">OS4HR3/2/1</a>	-	3/2/1-year onsite 24x7x4 service
	<a href="#">OSNBD3/2/1</a>	-	3/2/1-year onsite NBD service
<b>Software</b>	SFT-OOB-LIC	1	OOB Management Package (per node license)
<b>Software</b>	SFT-DCMS-Single	1	DataCenter Management Package (per node license)