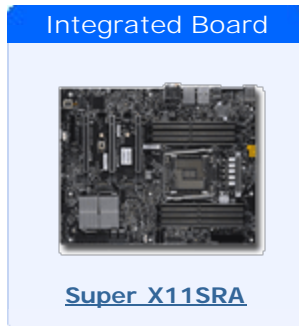


SuperWorkstation 5039A-i



Key Features

- High Performance Workstation
- Designed for 2D/3D Content Creation

1. Single socket R4 (LGA 2066) supports Intel® Xeon® processor W Family
2. Intel® C422 chipset
3. Up to 512GB reg. ECC LRDIMM, up to DDR4-2666MHz; 8 DIMM slots
4. 3 PCI-E 3.0 x16 (8/16/16, 48 lanes), 1 PCI-E 3.0 x4, M.2 Interface: 2 PCI-E 3.0 x4 M.2 Form Factor: 22110/2280 M.2 Key: M-Key (RAID 0,1 support) U.2 Interface: 2 PCI-E 3.0 x4
5. ALC 1220 7.1 HD Audio, 1 COM, 2 GbE LAN, 2 USB 3.0 (front)
6. 4 internal 3.5" drive bays
7. 900W High Efficiency Power Supply

[▶ Drivers & Utilities](#)
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[▶ Tested Memory](#)
[▶ Tested M.2 List](#)
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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	
SuperWorkstation	▪ SYS-5039A-i (Black)
Motherboard	
<u>Super X11SRA</u>	
Processor	
CPU	<ul style="list-style-type: none"> ▪ Intel® Xeon® Processor W Family ▪ Single Socket R4 (LGA 2066), CPU TDP support up to 140W
System Memory	
Memory Capacity	<ul style="list-style-type: none"> ▪ 8 DIMM slots ▪ Up to 512GB Registered ECC LRDIMM ▪ Up to 256GB Registered ECC RDIMM ▪ Up to DDR4-2666MHz
Memory Type	▪ 2666/2400/2133MHz ECC DDR4 SDRAM
DIMM Sizes	▪ 64GB, 32GB, 16GB, 8GB, 4GB
On-Board Devices	
Chipset	▪ Intel® C422 chipset

Chassis	
Form Factor	▪ Mid-Tower
Model	▪ <u>CSE-732D3-903B</u>
Dimensions and Weight	
Height	▪ 16.7" (424mm)
Width	▪ 7.6" (193mm)
Depth	▪ 20.68" (525.3mm)
Gross Weight	▪ 35.5 lbs (16.1 kg)
Available Colors	▪ Black
Front Panel	
Buttons	<ul style="list-style-type: none"> ▪ Power On/Off button ▪ Power LED ▪ Hard drive activity LED ▪ Network activity LED ▪ System Information LED
LEDs	
Ports	<ul style="list-style-type: none"> ▪ 2 front USB 3.0 Ports ▪ 1 Line-out, 1 Mic-in
Drive Bays	

SATA	<ul style="list-style-type: none"> ▪ SATA3 (6Gbps) via Intel C422 controller ▪ RAID 0, 1, 5, 10 support
Network Controllers	<ul style="list-style-type: none"> ▪ Single LAN with Intel® PHY I219LM LAN controller ▪ Single LAN with Aquantia 5G LAN chip AQC108
Audio	<ul style="list-style-type: none"> ▪ ALC 1220 7.1 HD Audio

Input / Output

SATA	<ul style="list-style-type: none"> ▪ 6 SATA3 (6Gbps) ports from Intel® C422
LAN	<ul style="list-style-type: none"> ▪ 2 RJ45 Ethernet LAN ports
USB	<ul style="list-style-type: none"> ▪ 6 USB 3.0 ports (4 rear + 2 headers) ▪ 6 USB 2.0 ports (2 rear + 4 headers) ▪ 2 USB 3.1 (2 Type A)
Audio	<ul style="list-style-type: none"> ▪ 7.1 HD Jacks
Serial Port / Header	<ul style="list-style-type: none"> ▪ 1 COM port (header)
TPM	<ul style="list-style-type: none"> ▪ 1 TPM 1.2 20-pin Header

Expansion Slots

PCI-Express	<ul style="list-style-type: none"> ▪ 3 PCI-E 3.0 x16 slots (8/16/16, 48 lanes) ▪ 1 PCI-E 3.0 x4 slot
M.2	<ul style="list-style-type: none"> ▪ M.2 Interface: 2 PCI-E 3.0 x4 ▪ M.2 Form Factor: 22110/2280 ▪ M.2 Key: M-Key (RAID 0,1 support) ▪ U.2 Interface: 2 PCI-E 3.0 x4

System BIOS

BIOS Type	<ul style="list-style-type: none"> ▪ UEFI 256Mb
BIOS Features	<ul style="list-style-type: none"> ▪ ACPI 3.0 or later ▪ SMBIOS 2.7 or later ▪ BIOS rescue hot-key ▪ SPI dual/quad speed support ▪ RTC wakeup


Internal	<ul style="list-style-type: none"> ▪ 4 fixed 3.5" drive bays ▪ Enterprise SATA HDD only recommended
Peripheral	<ul style="list-style-type: none"> ▪ 2 optional 5.25" Peripheral drive bays ▪ 1 optional card reader module

System Cooling

Fans	<ul style="list-style-type: none"> ▪ 1x 12cm rear exhaust fan ▪ Optional 1x 12cm front cooling fan
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Power Supply

900W AC multi output power supply	
AC Voltage	<ul style="list-style-type: none"> ▪ 100-240 V, 50-60 Hz, 10-6 Amp
+5V Standby	<ul style="list-style-type: none"> ▪ 3 Amp
+12V1	<ul style="list-style-type: none"> ▪ 25 Amp
+12V2	<ul style="list-style-type: none"> ▪ 25 Amp
+12V3	<ul style="list-style-type: none"> ▪ 25 Amp
+12V4	<ul style="list-style-type: none"> ▪ 25 Amp
+5V	<ul style="list-style-type: none"> ▪ 25 Amp
+3.3V	<ul style="list-style-type: none"> ▪ 25 Amp
-12V	<ul style="list-style-type: none"> ▪ 0.5 Amp

Certification	 Gold Level
Note:	<ul style="list-style-type: none"> • Max. continuous combined load on +3.3V and +5V output shall not exceed 155W. • Max. continuous combined load on +12V1, +12V2, +12V3 and +12V4 output shall not exceed 860W.

PC Health Monitoring

CPU	<ul style="list-style-type: none"> ▪ Monitors for CPU Cores, +1.8V, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory, Chipset Voltages. ▪ 6-Phase-switching voltage regulator
FAN	<ul style="list-style-type: none"> ▪ Low noise fan speed control
Temperature	<ul style="list-style-type: none"> ▪ Monitoring for CPU and chassis environment ▪ Thermal Control for 8x fan connectors ▪ PECI

Operating Environment / Compliance

RoHS	<ul style="list-style-type: none"> ▪ RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> ▪ Operating Temperature: 10°C to 35°C (50°F to 95°F) ▪ 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)

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11SRA	1	Super X11SRA Motherboard
	CSE-732D3-903B	1	3U Mid-Tower Chassis
Cable 1	CBL-0044L	4	SATA,INT,FLAT,57.7CM,26AWG
Parts	MCP-260-00118-0N	1	
Manual	MNL-1999-QRG	1	5039A-I Quick Reference Guide
Power Supply	PWS-903-PQ	1	PS2 900W Multi-Output Power Supply 80Plus Gold

Optional Parts List

	Part Number	Qty	Description
Cable	CBL-SAST-0957	-	Mini SAS HD to PCIe SFF-8639 w/ Power, 55CM, 45CM, 34 AWG,RoHs
Cable	CBL-0082L	-	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG
HDD Cage	MCP-220-73102-0N	-	2.5" to 3.5" SSD/HDD Adapter Tray for 731, 732, DS3, 842
Fan	FAN-0077L4	-	120X38MM 4-PIN PWM FAN W/HUS FOR SC733
Heat Sink	SNK-P0050AP4	-	ACTIVE CPU Heat Sink
DVD-ROM	DVM-LITE-DVDRW24-HBT	-	BLACK LITE-ON 5.25" HH 24X DVD-RW SATA DRIVE PBF