

SuperWorkstation 5039A-i



Integrated Board



Super X11SRA

**Views: | [Angled View](#) | [Side View](#) |
| [Front View](#) | [Rear View](#) |**

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Key Features

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

1. Single Socket R4 (LGA 2066) supports Intel® Xeon® W-2200 processor, Intel® Xeon® W-2100 processor
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, 5GbE and GbE LAN, 2 USB 3.0 (front)
6. 4 internal 3.5" drive bays
7. 900W High Efficiency Power Supply

Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.

Specifications

Product SKUs

SuperWorkstation ■ SYS-5039A-i (Black)

Motherboard

Super X11SRA

Processor

CPU ■ Intel® Xeon® W-2200 processor, Intel® Xeon® W-2100 processor
■ Single Socket R4 (LGA 2066), CPU TDP support up to 165W

System Memory

Memory Capacity ■ Up to 512GB Registered ECC RDIMM, DDR4-2666MHz; Up to 1TB Registered ECC LRDIMM, DDR4-2666MHz, in 8 DIMM slots(DDR4-2933MHz: RDIMM Max. Memory Capacity 256GB Registered ECC, LRDIMM Max. Memory Capacity 512GB Registered ECC)

Memory Type ■ 2666/2400/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit 288-pin RDIMM/LRDIMM

DIMM Sizes ■ 64GB, 32GB, 16GB, 8GB, 4GB

On-Board Devices

Chipset ■ Intel® C422 chipset

SATA ■ SATA3 (6Gbps) via Intel C422 controller
■ RAID 0, 1, 5, 10 support

Network Controllers ■ Single LAN with Intel® PHY I219LM LAN controller
■ Single LAN with Aquantia 5G LAN chip AQC108

Audio ■ ALC 1220 7.1 HD Audio

Input / Output

SATA ■ 6 SATA3 (6Gbps) ports from Intel® C422

LAN ■ 2 RJ45 Ethernet LAN ports

USB ■ 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 ■ 7.1 HD Jacks

Serial Port / Header ■ 1 COM port (header)

TPM ■ 1 TPM 1.2 20-pin Header

Expansion Slots

PCI-Express ■ 3 PCI-E 3.0 x16 slots (8/16/16, 48 lanes)
■ 1 PCI-E 3.0 x4 slot

Chassis

Form Factor ■ Mid-Tower

Model ■ **CSE-732D3-903B**

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 ■ Power On/Off button

LEDs ■ Power LED
■ Hard drive activity LED
■ Network activity LED
■ System Information LED

Ports ■ 2 front USB 3.0 Ports
■ 1 Line-out, 1 Mic-in

Drive Bays

Internal ■ 4 fixed 3.5" drive bays
■ Enterprise SATA HDD only recommended

Peripheral ■ 2 optional 5.25" Peripheral drive bays
■ 1 optional card reader module

System Cooling

Fans ■ 1x 12cm rear exhaust fan
■ Optional 1x 12cm front cooling fan

Power Supply

900W AC multi output power supply

AC Voltage ■ 100-240 V, 50-60 Hz, 10-6 Amp

+5V Standby ■ 3 Amp

+12V1 ■ 25 Amp

+12V2 ■ 25 Amp

+12V3 ■ 25 Amp

+12V4 ■ 25 Amp

+5V ■ 25 Amp

+3.3V ■ 25 Amp

-12V ■ 0.5 Amp

Certification



Gold Level

Note:

- 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.

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|------------|---|
| 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 |
|------------|---|
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System BIOS

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|----------------------|--|
| 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 |
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PC Health Monitoring

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- | | |
|--------------------|--|
| 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 |
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Operating Environment / Compliance

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- | | |
|----------------------------|--|
| 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) |
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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-0077L4-1	-	120x120x38 mm, 4K RPM, Optional Fan w/o housing for SC732
Heat Sink	SNK-P0050AP4	-	ACTIVE CPU Heat Sink
DVD-ROM	DVM-LITE-DVDRW24-HBT1	-	BLACK LITE-ON 5.25" HH 24X DVD-RW SATA DRIVE PBF