

SuperWorkstation 5039A-iL



Integrated Board



Super X11SAE

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

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

Key Features

High Performance, Versatile Features & I/O Access

1. Single Socket H4 (LGA 1151) supports Intel® Xeon® processor E3-1200 v6/v5, Intel® 7th/6th Gen. Core™ i7/i5/i3 series
2. Intel® C236 chipset
3. Up to 64GB Unbuffered ECC/non-ECC UDIMM DDR4 2400MHz; 4 DIMM slots
4. 2 PCI-E 3.0 x16 (x16/NA or x8/x8), 3 PCI-E 3.0 x1, 2 PCI 32-bit slots
5. 1 DVI-D, 1 HDMI, 1 display port, triple display capable, ALC1150 HD Audio, 2 COM, 2 GbE LAN, 2 USB 3.0 + 2 USB 2.0 (front)
6. 4 internal 3.5" HDD bays
90° rotatable HDD cage design
4 internal 2.5" SATA HDD (opt.)
7. 668W Platinum Level Power Supply
(Updated for 2021 Version)

Specifications

Product SKUs

SuperWorkstation ■ SYS-5039A-iL (2021 version)

Motherboard

Super X11SAE

Processor/Cache

CPU

- Single Socket H4 (LGA 1151) supports:
 - Intel® Xeon® processor E3-1200 v6/v5,
 - Intel® 7th/6th Gen Core™ i7/i5/i3,
 - Intel® Pentium®,
 - Intel® Celeron® processors
- CPU TDP up to 95W

Note BIOS version 2.0 or above is required to support Intel® Xeon® Processor E3-1200 v6 series or 7th Generation Intel® Core™ Processors

System Memory

Memory Capacity

- 4x 288-pin DDR4 DIMM slots
- Up to 64GB DDR4 ECC/Non-ECC UDIMM

Memory Type

- 2400/2133/1866/1600MHz ECC/non-ECC DDR4 SDRAM 72-bit, 288-pin (UDIMM) gold-plated DIMMs

DIMM Sizes

- 16GB, 8GB, 4GB

Memory Voltage

- 1.2 V

Error Detection

- Corrects single-bit errors
- Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset

- Intel® C236 chipset

SATA

- SATA3 (6Gbps) via C236 controller
- RAID 0, 1, 5, 10 support

Network Controllers

- Intel I210-AT + Intel PHY i219LM Ethernet Controllers
- Virtual Machine Device Queues reduce I/O overhead
- Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output

Graphics

- 1 HDMI, 1 DVI-D, 1 Display port (Triple Display)

Audio

- ALC 888S HD Audio

Input / Output

SATA

- 8 SATA3 (6Gbps) ports from Intel® C236; RAID 0, 1, 5, 10

LAN

- 2 RJ45 Gigabit Ethernet LAN ports

USB

- 6 USB 3.0 ports (2 rear + 4 via headers)
- 8 USB 2.0 ports (2 rear + 6 via headers)
- 2 USB 3.1 (rear)

Audio

- 7.1 HD Jacks

Chassis

Form Factor ■ Mid-Tower

Model ■ CSE-732D4-668B

Dimensions and Weight

Height ■ 16.7" (424mm)

Width ■ 7.6" (193mm)

Depth ■ 20.68" (525.3mm)

Gross Weight ■ 40 lbs (18.1 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
- 2 front USB 2.0 Ports
- 2 front HD/AC97 Audio Ports

Drive Bays

Internal ■ 4 Internal 3.5" fixed drive bays

Peripheral ■ 2x 5.25" peripheral device bays

System Cooling

Fans

- 1x 12cm rear exhaust fan with Optimal Fan Speed Control
- Optimized cooling technology for Whisper-Quiet Operation (21dB)

Power Supply

668W AC power supply

AC Voltage ■ 100 - 240V, 50-60Hz

+5V ■ 20 Amp

+5V standby ■ 2 Amp

+12V ■ Max: 54A & Min: 0.2A (100Vac-240Vac)

-12V ■ 0.1 Amp

+3.3V ■ 15 Amp

Certification



Platinum Certified

PC Health Monitoring

CPU

- 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

- Low noise fan speed control

Display	<ul style="list-style-type: none"> 1 HDMI, 1 DVI-D, 1 Display port (Triple Display); an Intel HD Graphics Integrated CPU is required for motherboard onboard video function
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Serial Port / Header	<ul style="list-style-type: none"> 2 COM ports (headers)
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Expansion Slots

PCI-Express	<ul style="list-style-type: none"> 2 PCI-E 3.0 x16 slots - Function as: x16/NA or x8/x8 3 PCI-E 3.0 x1 slots
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PCI	<ul style="list-style-type: none"> 2 PCI 32-bit slots
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System BIOS

BIOS Type	<ul style="list-style-type: none"> 128Mb SPI Flash EEPROM with AMI® BIOS
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BIOS Features	<ul style="list-style-type: none"> Plug and Play (PnP) APM 1.2 DMI 2.3 ACPI 1.0 / 2.0 USB Keyboard support SMBIOS 2.3 UEFI
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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

RoHS	<ul style="list-style-type: none"> RoHS Compliant
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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-X11SAE	1	Super X11SAE Motherboard
	CSE-732D4-668B	1	3U Mid-Tower Chassis
Cable 1	CBL-0044L	4	SATA,INT,FLAT,57.7CM,26AWG
Manual	MNL-1837-QRG	1	SYS-5039A-IL (X11SAE, CSE-732D4-500B), QRG
Parts	MCP-260-00063-1N	1	STD size I/O shield for X10SLQ-L with EMI Gasket,RoHS/REACH,PBF
Power Supply	PWS-668-PQ	1	PS2 668W Multi-Output 80Plus Platinum Power Supply with 24pi

Optional Parts List

	Part Number	Qty	Description
Cable	CBL-0179L	-	SATA CABLE 70CM FLAT S-S PBF
HDD Cage	MCP-220-73201-0N	-	SC732 2.5" HDD Cage (4x Internal 2.5" HDD) - Single Pack
DVD-ROM	DVM-LITE-DVDRW24-HBT1	-	BLACK LITE-ON 5.25" HH 24X DVD-RW SATA DRIVE PBF
Heat Sink	SNK-P0046A4	-	ACTIVE CPU Heat Sink
Heat Sink for CPU over 90W TDP	SNK-P0051AP4	-	High Performance CPU Heat Sink.
Fan	FAN-0124L4	-	High performance 12cm (1850rpm) cooling fan