

SuperWorkstation 5039C-I



Integrated Board



Super X11SCL-F

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

[▶ Drivers & Utilities](#) | [▶ BIOS](#) | [▶ IPMI](#) | [▶ Tested Memory](#) | [▶ Tested M.2 List](#) | [▶ Manuals](#) | [▶ OS Certification Matrix](#) | [▶ Quick-References Guide](#) | [▶ Drive Options](#)

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

Key Features

- **Entry-Level Server for SOHO, SMB**
- **Remote access for mobile users**
- **Data sharing/storage and**
- **Centralized backup**

1. Single Socket H4 (LGA 1151) supports Intel® Xeon® processor E-2100 / E-2200 series, 9th/8th Gen. Intel® Core™ i3 Processors, Intel® Celeron®, Intel® Pentium®

2. Intel® C242 chipset

3. Up to 128GB ECC UDIMM, up to DDR4-2666MHz; 4 DIMM slots

4. 1 PCI-E 3.0 x8 (in x16) slot, 2 PCI-E 3.0 x4 (in x8) slots

5. 4 internal 3.5" drive bays, 2 external 5.25" peripheral bays

6. **M.2 Interface:** 1 PCI-E 3.0 x4
M.2 Form Factor: 22110/2280
M.2 Key: M-Key

7. 2 USB 3.2 Gen1 (front), 2 USB 3.2 Gen1 (rear), 2 USB 2.0 (rear)

8. 1 COM port, 1 VGA port
Power Supply

9. 400W Gold Certified High Efficient Power Supply

Specifications

Product SKUs

SuperWorkstation ■ SYS-5039C-I (**Black**)

Motherboard

Super X11SCL-F

Processor

CPU

- Single Socket LGA-1151 (Socket H4) supported, CPU TDP support Up to 95W TDP
- 8th/9th Generation Intel® Core™i3/Pentium®/Celeron® Processor, Intel® Xeon® E-2100 Processor, Intel® Xeon® E-2200 Processor.

Cores/Cache ■ 6 cores, 12 threads

Note

- BIOS version 1.0b or above is required to support Intel® Xeon® E-2200 and 9th Generation Intel® Core™ i3/Pentium®/Celeron® Processors

System Memory

Memory Capacity

- 4 DIMM slots
- Up to 128GB ECC UDIMM
- Up to DDR4-2666MHz

Memory Type ■ 2666/2400/2133MHz ECC DDR4 SDRAM

DIMM Sizes ■ 32GB, 16GB, 8GB

On-Board Devices

Chipset ■ Intel® C242 chipset

SATA

- SATA3 (6Gbps) via Intel C242 controller
- RAID 0, 1, 5, 10 support

Network Controllers ■ Dual GbE LAN with Intel® I210-AT

IPMI ■ ASPEED AST2500

Input / Output

SATA ■ 6 SATA3 (6Gbps) ports

LAN

- 2 RJ45 Ethernet LAN ports
- 1 RJ45 Dedicated IPMI LAN port

USB

- 2 USB 3.2 Gen1 (front)
- 2 USB 3.2 Gen1 (rear)
- 2 USB 2.0 (rear)

Video ■ 1 VGA port

Serial Port / Header ■ 1 COM port

TPM ■ 1 TPM 2.0 Header

Expansion Slots

PCI-Express

- 1 PCI-E 3.0 x8 (in x16) slot
- 2 PCI-E 3.0 x4 (in x8) slots

Chassis

Form Factor ■ Mid-Tower

Model ■ **CSE-731i-403B**

Dimensions and Weight

Height ■ 14.25" (362mm)

Width ■ 7.25" (184mm)

Depth ■ 16.75" (425mm)

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 USB 3.1 Gen 1 ports

Drive Bays

Internal ■ 4 Fixed 3.5" drive bays

Peripheral ■ 2 External 5.25" Peripheral bays

System Cooling

Fans

- 1x 9cm (rear) PWM fan w/ tool-less design
- Optional 1x 8cm (front) cooling fan

Power Supply

Super quiet operation with 12cm cooling fan and 80plus gold certification

Total Output Power and Input ■ 400W with Input 100 - 240Vac

AC Input Frequency ■ 50-60Hz

Dimensions (L x W x H) ■ 140 x 150 x 86 mm

-12V ■ Max: 0.3A

+12V ■ 18A

+5V ■ Max: 22A

+3.3V ■ Max: 24A

+5V standby ■ Max: 3A

Certification



Gold Certified

PC Health Monitoring

-
- | | |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| M.2 | <ul style="list-style-type: none"> ■ M.2 Interface: 1 PCI-E 3.0 x4 ■ M.2 Form Factor: 22110/2280 ■ M.2 Key: M-Key |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
-

System BIOS

- | | |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BIOS Type | <ul style="list-style-type: none"> ■ UEFI 256Mb |
| BIOS Features | <ul style="list-style-type: none"> ■ ACPI 6.0 ■ SMBIOS 2.7 ■ Plug and Play (PnP) ■ RTC (Real Time Clock) Wakeup ■ PCI F/W 3.0 |
-

Management

- | | |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Software | <ul style="list-style-type: none"> ■ <u>SuperDoctor® 5</u> ■ Watch Dog ■ Non-maskable Interrupt (NMI) |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------|
-

- | | |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU | <ul style="list-style-type: none"> ■ Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages. ■ 4 CPU switch phase 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 five 4-pin fan connectors ■ Platform Environmental Control Interface (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 60°C (-40°F to 140°F) ■ Operating Relative Humidity: 20% to 95% (non-condensing) ■ Non-operating Relative Humidity: 5% to 95% (non-condensing) |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
-

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11SCL-F	1	Super X11SCL-F Motherboard
	CSE-731i-403B	1	3U Mid-Tower Chassis
Cable 1	CBL-0044L	4	SATA,INT,FLAT,57.7CM,26AWG
Parts	MCP-260-00042-0N	1	STD I/O shield for X9 socket R server MB with Gasket.
Manual	MNL-2169-QRG	1	SYS-5039C-I Quick Reference Guide
* Power Supply	PWS-403-PQ	1	PS2/ATX 400W Multi-output power supply 80Plus gold,RoHS
* Cable 2	CBL-0084L	1	CBL,FRONT CNTL,SPLIT,16 PIN,W/CONVERTER HEAD,15CM,26AWG
* Cable 3	CBL-0260L	1	US power cord 18AWG 6ft, PBF (default for low watt)
* Cable 4	CBL-CUSB-0998	1	USB 3.0(F) Type A 2x to USB3.0 20pin,48CM,26/30AWG
* FAN 1	FAN-0108L4	1	92X25MM 4-PIN PWM REAR EXT FAN FOR SC731
* Parts	MCP-110-00033-0N	2	Binding Head Screw (with teeth) #632*4.5L
* Drive Tray(s)	MCP-220-73101-0B	4	SC731 Tool-less Internal 3.5inch HDD Tray

Notes:

1. Parts with * are inside the chassis
2. Excessive parts might not be shipped, including but not limited to excessive drive trays, fans, riser brackets, air shrouds, IO shields, cables.....etc.

Optional Parts List

	Part Number	Qty	Description
Cable	CBL-0082L	-	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG
Cable	CBL-SAST-0624	-	SATA, INT, ROUND, ST-ST, 70CM, 30AWG
Heat Sink	SNK-P0051AP4	-	4U Active CPU Heat Sink for Gaming and Socket H UP Systems,RoHS/REACH,PBF
DVD-ROM	DVM-LITE-DVDRW24-HBT1	-	BLACK LITE-ON 5.25" HH 24X DVD-RW SATA DRIVE PBF
Software	SFT-OOB-LIC • eStore	1	OOB Management Package (per node license)