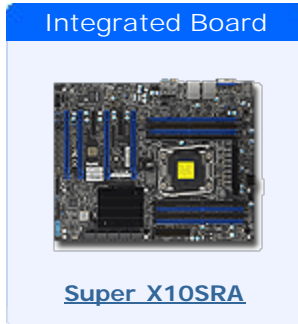


# SuperWorkstation 5038A-I



Available Colors:

Black



## Key Features

### High Performance, Versatile Features & I/O Access

1. Single socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v3, E5-1600 v3, 4th gen. Core i7
2. Intel® C612 chipset
3. Up to 512GB ECC DDR4 2133MHz LRDIMM or 64GB ECC/non-ECC UDIMM (available with Core i7 only); 8x DIMM slots
4. 4x PCI-E 3.0 x16 slots (runs at 16/16/NA/8 or 16/8/8/8), 2x PCI-E 2.0 x1 (in x4) slots
5. I/O Ports: 2 GbE, ALC 1150 HD Audio, 6 USB 3.0 + 2 USB 3.0 (front), 1 COM, 1 TPM, 1 PS/2 Keyboard/Mouse port
6. 4x 3.5" internal drive bays
7. 900W Multi-Output Power Supply

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-5038A-I (Black)

### Motherboard

Super X10SRA

### Processor

- CPU
- Intel® Xeon® processor E5-2600 v3, E5-1600 v3 family or Intel® 5th/4th gen. Core™ i7 series (up to 160W TDP \*\*)
  - Single Socket R3 (LGA 2011)

- Core / Cache
- Up to 18 Cores / Up to 45MB Cache

Note \*\* Motherboard supports this maximum TDP. Please verify your system can thermally support

### System Memory

- Memory Capacity
- 8x 288-pin DDR4 DIMM slots
  - Up to 512GB ECC LRDIMM
  - Up to 256GB ECC RDIMM
  - Up to 64GB DDR4 ECC/non-ECC UDIMM (available with Core i7 only)

- Memory
- 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (RDIMM / LRDIMM) / 284-

### 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)

Weight

- Gross Weight: 35.5 lbs (16.1kg)
- Net Weight: 29.5 lbs (13.4 kg)

Available Colors

- Black

### Front Panel

Buttons

- Power On/Off button

LEDs

- Power LED
- Hard drive activity LED
- Network activity LED
- System Overheat LED

Ports

- 2x front USB 3.0 Ports
- 2x front HD/AC97 Audio Ports

### Drive Bays

Type	pin gold-plated DIMMs
DIMM Sizes	<ul style="list-style-type: none"> <li>LRDIMM: 64GB, 32GB</li> <li>RDIMM: 32GB, 16GB, 8GB, 4GB</li> </ul>
Memory Voltage	<ul style="list-style-type: none"> <li>1.2 V</li> </ul>
Error Detection	<ul style="list-style-type: none"> <li>Corrects single-bit errors</li> <li>Detects double-bit errors (using ECC memory)</li> </ul>

#### On-Board Devices

Chipset	<ul style="list-style-type: none"> <li>Intel® C612 chipset</li> </ul>
SATA	<ul style="list-style-type: none"> <li>SATA3 (6Gbps) via C612 controller</li> <li>RAID 0, 1, 5, 10 support</li> </ul>
Network Controllers	<ul style="list-style-type: none"> <li>Intel® i210-AT Dual Port Gigabit Ethernet</li> <li>Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output</li> </ul>
Audio	<ul style="list-style-type: none"> <li>RealTek ALC1150 High Definition Audio</li> </ul>

#### Input / Output

SATA	<ul style="list-style-type: none"> <li>10x SATA3 (6Gbps) ports via PCH</li> </ul>
LAN	<ul style="list-style-type: none"> <li>2x RJ45 Gigabit Ethernet LAN ports</li> </ul>
USB	<ul style="list-style-type: none"> <li>8x USB 3.0 ports (2 front + 6 rear)</li> </ul>
Audio	<ul style="list-style-type: none"> <li>7.1 HD Jacks</li> </ul>
Keyboard/Mouse	<ul style="list-style-type: none"> <li>1x PS/2 Keyboard/Mouse port</li> </ul>
Serial Port / Header	<ul style="list-style-type: none"> <li>1x header</li> </ul>
TPM	<ul style="list-style-type: none"> <li>1x TPM 1.2 20-pin Header</li> </ul>

#### Expansion Slots

PCI-Express	<ul style="list-style-type: none"> <li>4x PCI-E 3.0 x16 slots (runs at 16/16/NA/8 or 16/8/8/8)</li> <li>2x PCI-E 2.0 x1 (in x4) slots</li> </ul> <p>PCI-E slot #1 supports (x4) and slot #4 (x16) is disabled when an Intel Core i7-5820K is installed</p>
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#### System BIOS

BIOS Type	<ul style="list-style-type: none"> <li>128Mb SPI Flash EEPROM with AMI® BIOS</li> </ul>
BIOS Features	<ul style="list-style-type: none"> <li>Plug and Play (PnP)</li> <li>APM 1.2</li> <li>DMI 2.3</li> <li>PCI 2.3</li> <li>ACPI 1.0 / 2.0 / 3.0 / 4.0</li> <li>USB Keyboard support</li> <li>Hardware BIOS Virus protection</li> <li>SMBIOS 2.7.1</li> <li>UEFI 2.3.1</li> <li>RTC (Real Time Clock) Wakeup</li> </ul>

#### Management

Software	<ul style="list-style-type: none"> <li><a href="#">SuperDoctor® 5</a></li> <li><a href="#">SuperDoctor® III</a></li> <li>Watch Dog</li> </ul>
Power Configurations	<ul style="list-style-type: none"> <li>ACPI Power Management</li> <li>Keyboard Wakeup from Soft-Off</li> <li>CPU Fan auto-off in sleep mode</li> <li>Power-on mode for AC power recovery</li> </ul>


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

#### System Cooling

Fans	<ul style="list-style-type: none"> <li>1x 12cm front cooling fan</li> </ul>
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#### Power Supply

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

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

#### PC Health Monitoring

Voltage	<ul style="list-style-type: none"> <li>+12V, +3.3V, +5V, 1.05 (PCH), 1.2V (VDIMM), 3.3V standby, Chassis intrusion header, Monitors CPU voltages, VBAT</li> </ul>
FAN	<ul style="list-style-type: none"> <li>Total of 5 fan headers supporting up to 5 fans</li> <li>5 fan headers with tachometer status monitoring</li> <li>Status monitor for speed control</li> <li>Status monitor for on/off control</li> <li>Low noise fan speed control</li> <li>Pulse Width Modulated (PWM) fan connectors</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>Monitoring for CPU and chassis environment</li> <li>CPU thermal trip support</li> <li>I<sup>2</sup>C temperature sensing logic</li> <li>Thermal Monitor 2 (TM2) support</li> <li>PECI</li> </ul>

#### Operating Environment / Compliance

RoHS	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>
Environmental Spec.	<ul style="list-style-type: none"> <li>Operating Temperature: 10°C to 35°C (50°F to 95°F)</li> <li>Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)</li> <li>Operating Relative Humidity: 8% to 90% (non-condensing)</li> <li>Non-operating Relative Humidity: 5% to 95% (non-condensing)</li> </ul>

Parts List - (Items Included)			
	Part Number	Qty	Description
Motherboard / Chassis	MBD-X10SRA	1	Super X10SRA Motherboard
	CSE-732D3-903B	1	3U Mid-Tower Chassis
Cable 1	CBL-0044L	4	SATA CABLE 57.5CM FLAT S-S PBF. 26AWG flat

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-HBT	-	BLACK LITE-ON 5.25" HH 24X DVD-RW SATA DRIVE PBF
Heat Sink	SNK-P0050AP4	-	4U active CPU heat sink
Fan	FAN-0124L4	-	High performance 12cm (1850rpm) cooling fan