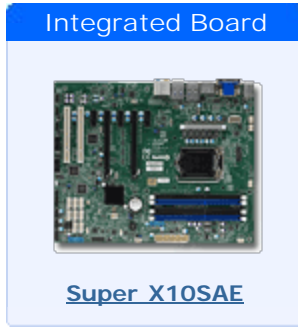


# SuperWorkstation 5038A-iL



Available Colors:

Black



## Key Features

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

1. Single socket H3 (LGA 1150) supports Intel® Xeon® E3-1200 v3/v4, 4th/5th gen. Core i7/i5/i3 processors
2. Intel® C226 Express PCH
3. Up to 32GB DDR3 ECC/non-ECC 1600MHz UDIMM in 4 sockets
4. 2x PCI-E 3.0 x16 (x16/NA or x8/x8), 3x PCI-E 2.0 x1, 2x PCI 32-bit slots
5. I/O Ports: 1 DVI, 1 VGA, 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. 4x 3.5" internal SAS/SATA HDD Bays  
90° rotatable HDD cage design  
4x 2.5" internal SAS/SATA HDD (opt.)
7. 500W High Efficiency 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-iL (Black)

### Motherboard

Super X10SAE

### Processor/Cache

#### CPU

- Intel® Xeon® processor E3-1200 v3/v4 and 4th/5th Gen Core i7/i5/i3, Pentium, Celeron processors
- Single Socket H3 (LGA 1150)
- A Graphic Integrated CPU is required to have the on-board video functioned.  
Examples: E3-1265L v3, E3-1275 v3\*

### System Memory

#### Memory Capacity

- 4x 240-pin DDR3 DIMM slots
- Supports up to 32GB DDR3 ECC/Non-ECC Un-Buffered memory (UDIMM)

#### Memory Type

- 1600MHz ECC/non-ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs

#### DIMM Sizes

- 8GB, 4GB, 2GB, 1GB

### Chassis

#### Form Factor

- Mid-Tower

#### Model

- CSE-732D4F-500B

### 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 Overheat LED

#### Ports

- 2x front USB 3.0 Ports
- 2x front USB 2.0 Ports
- 2x front 1394a Ports
- 2x front HD/AC97 Audio Ports

Memory Voltage	<ul style="list-style-type: none"> <li>1.5V, 1.35V</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>
<b>On-Board Devices</b>	
Chipset	<ul style="list-style-type: none"> <li>Intel® C226 Express PCH</li> </ul>
SATA	<ul style="list-style-type: none"> <li>SATA3 via PCH w/ RAID 0, 1, 5, 10</li> <li>SATA3 via ASM1061®</li> </ul>
Network Controllers	<ul style="list-style-type: none"> <li>Intel® i217LM + Intel® i210AT Controllers</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>
<b>Input / Output</b>	
SATA	<ul style="list-style-type: none"> <li>6x SATA3 (6Gbps) ports via PCH</li> <li>2x SATA3 (6Gbps) ports via ASM1061®</li> <li>Total of 8x SATA3 ports (6Gbps)</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>6x USB 3.0 ports (2 rear, 4 via headers)</li> <li>10x USB 2.0 ports (4 rear, 6 via headers)</li> </ul>
Audio	<ul style="list-style-type: none"> <li>7.1 HD Jacks</li> </ul>
Display*	<ul style="list-style-type: none"> <li>1x VGA, 1x HDMI, 1x DVI, 1x Display port (Triple Display)</li> </ul>
Serial Port / Header	<ul style="list-style-type: none"> <li>2x COM ports (headers)</li> </ul>
<b>Expansion Slots</b>	
PCI-Express	<ul style="list-style-type: none"> <li>2x PCI-E 3.0 x16 slots - Function as: 16/NA or 8/8</li> <li>3x PCI-E 2.0 x1 (in x4) slots</li> </ul>
PCI	<ul style="list-style-type: none"> <li>2x PCI 32-bit slots</li> </ul>
<b>System BIOS</b>	
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>ACPI 1.0 / 2.0</li> <li>USB Keyboard support</li> <li>SMBIOS 2.3</li> <li>UEFI</li> </ul>

<b>Drive Bays</b>	
Internal	<ul style="list-style-type: none"> <li>4x 3.5" SAS/SATA HDD Bays (90° rotatable drive cage)</li> <li>Enterprise SATA HDD only recommended</li> </ul>
Peripheral	<ul style="list-style-type: none"> <li>2x 5.25" peripheral drive bays</li> </ul>
<b>System Cooling</b>	
Fans	<ul style="list-style-type: none"> <li>1x 12cm rear exhaust fan with Optimal Fan Speed Control</li> <li>Optimized cooling technology for Whisper-Quiet Operation</li> </ul>
<b>Power Supply</b>	
500W AC power supply w/ PFC	
AC Voltage	<ul style="list-style-type: none"> <li>100 - 240V, 50-60Hz, 7-3.5 Amp</li> </ul>
+5V	<ul style="list-style-type: none"> <li>20 Amp</li> </ul>
+5V standby	<ul style="list-style-type: none"> <li>3 Amp</li> </ul>
+12V1	<ul style="list-style-type: none"> <li>17 Amp</li> </ul>
+12V2	<ul style="list-style-type: none"> <li>17 Amp</li> </ul>
+12V3	<ul style="list-style-type: none"> <li>17 Amp</li> </ul>
+12V4	<ul style="list-style-type: none"> <li>18 Amp</li> </ul>
-12V	<ul style="list-style-type: none"> <li>0.5 Amp</li> </ul>
+3.3V	<ul style="list-style-type: none"> <li>15 Amp</li> </ul>
Certification	 <ul style="list-style-type: none"> <li>Bronze Certified [ <a href="#">Test Report</a> ]</li> </ul>
<b>PC Health Monitoring</b>	
CPU	<ul style="list-style-type: none"> <li>Monitors for CPU Cores, +1.8V, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory, Chipset Voltages.</li> <li>6-Phase-switching voltage regulator</li> </ul>
FAN	<ul style="list-style-type: none"> <li>Low noise fan speed control</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>Monitoring for CPU and chassis environment</li> <li>Thermal Control for 8x fan connectors</li> <li>PECI</li> </ul>
<b>Operating Environment / Compliance</b>	
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

### Parts List - (Items Included)

	Part Number	Qty	Description
<b>Motherboard / Chassis</b>	MBD-X10SAE	1	Super X10SAE Motherboard
	CSE-732D4F-500B	1	3U Mid-Tower Chassis
<b>Cable 1</b>	CBL-0044L	4	SATA CABLE 57.5CM FLAT S-S PBF. 26AWG flat
<b>Manual</b>	MNL-1512-QRG	1	SYS-5038A-IL (X10SAE, CSE-732D4F-500B), QRG,HF,RoHS/REACH,PBF
<b>Parts</b>	MCP-260-00063-0N	1	Standard I/O Shield for X10SAE, C7Z87, C7Q87 with EMI Gasket
<b>Power Supply</b>	PWS-502-PQ	1	PS2 ATX 500W MULTI-OUTPUT HI-EFF PWS

### Optional Parts List

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