

# SuperServer 5038AD-I



## Integrated Board



Super C7X99-OCE

Available Colors:

Black



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## Key Features

Gaming, Digital Imaging, Entry-Level Workstation, Simulation and Creation Design

1. Single socket R3 (LGA 2011) supports Intel® Core™ i7 Processor Extreme Edition and X-Series, Intel® Xeon® processor E5-2600 v4<sup>†</sup>/ v3, E5-1600 v3
2. Intel® X99 Chipset
3. Up to 128GB non-ECC UDIMM DDR4, frequency up to 3300MHz (OC); 8x DIMM slots
4. 4 PCI-E 3.0 x16, 2 PCI-E 2.0 x1 (in x4)
5. ALC 1150 HD Audio
6. Removable 3.5" and 2.5" HDD/SSD cages with tool-less trays for up to 10 drives; 2x 5.25" Peripheral Drive Bays
7. Dual GbE LAN with Intel® I210-AT
8. 2x 12cm front cooling fans, 1x 12cm rear exhaust fan
9. 750W 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-5038AD-I (Black)

### Motherboard

Super C7X99-OCE

### Processor

- CPU
- Intel® Core™ i7 Processor Extreme Edition and X-Series, Intel® Xeon® processor E5-2600 v4/v3, E5-1600 v3 family (up to 160W TDP \*\*)
  - Single Socket R3 (LGA 2011)

Note † BIOS version 2.0 or above is required

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

### System Memory

- 8x 288-pin DDR4 DIMM slots

### Chassis

Form Factor ■ Tower

Model ■ CSE-GS5A-753R

### Dimensions and Weight

Height ■ 18.1" (460mm)

Width ■ 7.9" (201mm)

Depth ■ 19.4" (493mm)

Package ■ 24.9" (H) x 14.2" (W) x 24.0" (D)

Weight ■ Net Weight: 22.27 lbs (10.1 kg)  
■ Gross Weight: 28.22 lbs (12.8 kg)

Available Colors ■ Black

### Front Panel

Buttons ■ Power On/Off Button  
■ Reset Button

LEDs ■ Power LED  
■ Hard drive activity LED

Memory Capacity	<ul style="list-style-type: none"> <li>Supports up to 128GB DDR4 Non-ECC Un-Buffered memory (UDIMM) in 8 DIMM slots</li> </ul>
Memory Type	<ul style="list-style-type: none"> <li>Frequency up to 3300MHz(OC) non-ECC DDR4 SDRAM 72-bit, 284-pin (UDIMM) gold-plated DIMMs</li> <li>Support overclocking up to 3300MHz*</li> </ul> <p>* Please check the operation manual for supported components</p>
DIMM Sizes	<ul style="list-style-type: none"> <li>8GB, 4GB, 2GB, 1GB</li> </ul>
Memory Voltage	<ul style="list-style-type: none"> <li>1.2V</li> </ul>

#### On-Board Devices

Chipset	<ul style="list-style-type: none"> <li>Intel® X99 Chipset</li> </ul>
SATA	<ul style="list-style-type: none"> <li>SATA3 (6Gbps) via Intel X99 controller</li> <li>10x SATA3 ports: 6x iSATA (RAID 0, 1, 5, 10) and 4x sSATA</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</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 (6 rear + 2 via header)</li> <li>4 of 8 USB 3.0 ports upgradable to 4x USB 3.1 (10Gbps) (2 rear + 2 via header) (This upgrade is BOM option for OEM only)</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>

#### Expansion Slots

PCI-Express	<ul style="list-style-type: none"> <li>4x PCI-E 3.0 x16 slots (run 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 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>

Ports	<ul style="list-style-type: none"> <li>2x USB 3.0 ports</li> <li>1x Earphone, 1x Microphone port</li> </ul>
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#### Drive Bays

Internal HDD	<ul style="list-style-type: none"> <li>3.5" and 2.5" HDD/SSD cages with tool-less trays for up to 10 drives</li> </ul>
Peripheral	<ul style="list-style-type: none"> <li>2x 5.25" Peripheral Drive Bays</li> </ul>

#### System Cooling

Fans	<ul style="list-style-type: none"> <li>1x 12cm rear exhaust fan</li> <li>2x 12cm front cooling fan</li> </ul>
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#### Power Supply

750W Multi-output Power Supply for Desktop, semi-modular cable output

AC Input	<ul style="list-style-type: none"> <li>100-240Vac, 50-60Hz</li> </ul>
+5V	<ul style="list-style-type: none"> <li>Max: 20A &amp; Min: 0A</li> </ul>
+12V	<ul style="list-style-type: none"> <li>Max: 62A &amp; Min: 0.1A (100Vac-240Vac)</li> </ul>
+3.3V	<ul style="list-style-type: none"> <li>Max: 20A &amp; Min: 0A</li> </ul>
+5V SB	<ul style="list-style-type: none"> <li>Max: 2.5A &amp; Min: 0A</li> </ul>
-12V	<ul style="list-style-type: none"> <li>Max: 0.3A</li> </ul>



Certification [Gold Certified](#)

#### PC Health Monitoring

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>

#### 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

Motherboard / Chassis	Part Number	Qty	Description
	MBD-C7X99-OCE	1	Super C7X99-OCE Motherboard
	CSE-GS5A-753R	1	3U Mid-Tower Chassis
Power Supply	PWS-753-PQ	1	[DESKTOP ONLY], PS2/ATX 750W Multi-output Power supply with modular cable 80Plus Gold, RoHS/REACH

#### Optional Parts List

	Part Number	Qty	Description
Cable	CBL-0179L	-	SATA CABLE 70CM FLAT S-S PBF
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 for X9, X10 Workstations (Socket R)