

SuperServer 5038AD-T



Integrated Board



[Super C7Z87-OCE](#)

Product Review



[CPU Magazine](#)

Available Colors:

Black



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Key Features

- Gaming System
- Extreme Performance
- Triple Display Support

1. Single socket H3 (LGA 1150) supports Intel® 4th gen. Core i7/i5/i3 processors
2. Intel® Z87 Chipset
3. Up to 32GB DDR3 non-ECC 1600MHz UDIMM in 4 sockets; Overclocking* support up to 3000MHz
4. 3 (x16) PCI-E 3.0 (16/NA/NA or 8/8/NA or 8/4/4), 3 (x1) PCI-E 2.0 in x4 slots
5. I/O Ports: 1 DVI, 1 VGA, 1 HDMI, 1 Thunderbolt port (DP1.1), triple display capable, ALC 1150 HD Audio, 2 GbE LAN, Front 2 USB 3.0, 2 USB 2.0, eSATA & Audio ports
6. 3x 3.5" Hot-swap Internal Drive Bays
2x 3.5" Hot-swap External Drive Bays
Optional 4x 2.5" Hot-swap External Drive Bay Cage
2x 5.25" Peripheral Drive Bays,
1x 3.5" Device Bay
7. 3x Preset Overclocking Buttons (OC 15%, OC 23%, OC TBD)
8. Auto-switching LED Color Display
Standard Operation: Steady Blue
15% Overclocking: Steady Orange
23% Overclocking: Steady Purple
TBD (user defined) OC: Blinking Purple
9. 900W High Efficiency Power Supply

[Product Review](#)

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-T (Black)

Motherboard

[Super C7Z87-OCE](#)

Processor/Cache

■ Intel® 4th Gen Core i7/i5/i3

Chassis

Form Factor ■ Mid-Tower

Model ■ [CSE-732G-903B](#)

Dimensions and Weight

Height ■ 20.08" (510mm)

Width ■ 8.66" (220mm)

CPU	processors <ul style="list-style-type: none"> Single Socket H3 (LGA 1150)
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System Memory

Memory Capacity	<ul style="list-style-type: none"> 4x 240-pin DDR3 DIMM slots Supports up to 32GB DDR3 Non-ECC Un-Buffered memory (UDIMM)
Memory Type	<ul style="list-style-type: none"> 1600MHz non-ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs Support overclocking up to 2133MHz* / 2200MHz* / 2400MHz* / 2600MHz* / 2800MHz* / 3000MHz* <p>* Please check the operation manual for supported components</p>
DIMM Sizes	<ul style="list-style-type: none"> 8GB, 4GB, 2GB, 1GB
Memory Voltage	<ul style="list-style-type: none"> 1.5V, 1.35V

On-Board Devices

Chipset	<ul style="list-style-type: none"> Intel® Z87 Chipset
SATA	<ul style="list-style-type: none"> SATA3 via PCH w/ RAID 0, 1, 5, 10 SATA3 via ASM1061®
Network Controllers	<ul style="list-style-type: none"> Intel® i217V + Intel® i210AT Controllers Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Audio	<ul style="list-style-type: none"> RealTek ALC1150 High Definition Audio

Input / Output

SATA	<ul style="list-style-type: none"> 6x SATA3 (6Gbps) ports via PCH 2x SATA3 (6Gbps) ports via ASM1061® Total of 8x SATA3 ports (6Gbps)
LAN	<ul style="list-style-type: none"> 2x RJ45 Gigabit Ethernet LAN ports
USB	<ul style="list-style-type: none"> 6x USB 3.0 ports (2 front, 4 rear) 4x USB 2.0 ports (2 front, 2 rear)
Audio	<ul style="list-style-type: none"> 7.1 HD Audio by Realtek ALC1150
Display	<ul style="list-style-type: none"> 1x VGA, 1x HDMI, 1x DVI, 1x Thunderbolt (DP1.1), Triple display support
Serial Port / Header	<ul style="list-style-type: none"> 1x COM port (header)

Expansion Slots

PCI-Express	<ul style="list-style-type: none"> 3 (x16) PCI-E 3.0 slots - Function as: 16/NA/NA or 8/8/NA or 8/4/4 3 (x1) PCI-E 2.0 in x4 slots
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System BIOS

BIOS Type	<ul style="list-style-type: none"> 128Mb SPI Flash EEPROM with AMI® BIOS
BIOS Features	<ul style="list-style-type: none"> DMI (SMBIOS) 2.7 ACPI 5.0 USB Keyboard support

Depth	<ul style="list-style-type: none"> 22.83" (580mm)
Gross Weight	<ul style="list-style-type: none"> 35 lbs (15.87 kg)
Available Colors	<ul style="list-style-type: none"> Black

Front Panel

Buttons	<ul style="list-style-type: none"> Power On/Off button
LEDs	<ul style="list-style-type: none"> Power LED Hard drive activity LED Network activity LED System Overheat LED
Ports	<ul style="list-style-type: none"> 2x front USB 3.0 Ports 2x front USB 2.0 Ports 1x front HD/AC97 Audio Port 1x eSATA Port

Drive Bays

Hot-swap	<ul style="list-style-type: none"> 3x 3.5" Hot-swap Internal Drive Bays 2x 3.5" Hot-swap External Drive Bays Optional 4x 2.5" Hot-swap External Drive Bay Cage
Peripheral	<ul style="list-style-type: none"> 2x 5.25" Peripheral Drive Bays 1x 3.5" Device Bay

System Cooling

Fans	<ul style="list-style-type: none"> 1x 12cm rear exhaust fan 1x 12cm front cooling fan
Others	<ul style="list-style-type: none"> Liquid cooling supported

Power Supply

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

Certification		Gold Level
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Note:

- Max. continuous combined load on +3.3V and +5V output shall not exceed 155W.
- Max. continuous combined load on +12V1, +12V2, +12V3 and +12V4 output shall not exceed 860W.

PC Health Monitoring

CPU	<ul style="list-style-type: none"> 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	<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 8x fan connectors PECI

Operating Environment / Compliance

RoHS

- RoHS Compliant

Environmental Spec.

- 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)

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-C7Z87-OCE	1	Super C7Z87-OCE Motherboard
	CSE-732G-903B	1	3U Mid-Tower Chassis

Optional Parts List

	Part Number	Qty	Description
Cable	CBL-0179L	-	SATA CABLE 70CM FLAT S-S PBF
2.5" HDD Cage	MCP-220-73202-ON	-	SC732G HDD Cage (4x External 2.5" HDD)
HDD Cooling Fan	MCP-320-73201-0N	-	SC732G HDD Cooling Fan w/ Installation Bracket - Single Pack
DVD-ROM	DVM-LITE-DVDRW24-HBT	-	BLACK LITE-ON 5.25" HH 24X DVD-RW SATA DRIVE PBF
Heat Sink	SNK-P0051AP4	-	4U Active CPU Heat Sink for Gaming and Socket H UP Systems