

SuperWorkstation 5037A-T

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Integrated Board



Super C7P67

Available Colors: Black

Key Features

1. Intel® 2nd Generation Core i7/i5/i3, Pentium, Celeron processors supported; LGA 1155
2. Up to 32GB 1333/1066MHz non-ECC DDR3 UDIMMs on 4 DIMM slots
3. 1 (x16) PCI-E 2.0 (x8 if slot 4 is used), 1 (x8) PCI-E 2.0 (in x16), 3 (x1) PCI-E 2.0, and 2 32-bit PCI slots
4. Realtek RTL8111E Dual port GbE LAN
5. 2x USB 3.0 ports, 12x USB 2.0 ports (8 rear, 4 ports via internal headers)
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

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

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-5037A-T (Black)
Motherboard	
Motherboard	■ MBD-C7P67
Processor/Cache	
CPU	■ Socket H2 (LGA 1155) ■ Intel® 2nd Generation Core i7/i5/i3, Pentium, Celeron processors supported
System Memory	
Memory Capacity	■ 4x 240-pin DDR3 DIMM slots ■ Supports up to 32 GB DDR3 non-ECC Un-Buffered memory (UDIMM)
Memory Type	■ Unbuffered DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	■ 8GB, 4GB, 2GB, 1GB
Memory Voltage	■ 1.5 V
On-Board Devices	
Chipset	■ Intel® P67 Express chipset
SATA	■ Intel P67, Marvell 88SE9128
Network Controllers	■ Realtek RTL8111E Gigabit Ethernet LAN, 2x Gigabit LAN ports ■ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
Audio	■ REALTEK ALC889 7.1 HD Audio with optical SPDIF
Super I/O	■ Nuvoton NCT6776F
Input / Output	
Serial ATA	■ 4 SATA 3.0 ports (6Gbps); RAID 0, 1 ■ 4 SATA 2.0 ports (3Gbps); RAID 0, 1, 5, 10
LAN	■ 2x RJ45 LAN ports
USB	■ 2x USB 3.0 ports ■ 12x USB 2.0 ports (8 rear, 4 ports via 2 internal headers)
Audio	■ Line-in / Line-out / Microphone Ports; optical S/PDIF port
Serial Port / Header	■ 2x Fast UART 16550 serial port
Expansion Slots	
PCI-Express	■ 1 (x16) PCI-E 2.0 (x8 if slot 4 is used) ■ 1 (x8) PCI-E 2.0 (in x16) ■ 3 (x1) PCI-E 2.0
PCI	■ 2 32-bit PCI slots
System BIOS	
BIOS Type	■ 32Mb SPI Flash EEPROM with AMI UEFI BIOS ■ Plug and Play (PnP)

Chassis	
Form Factor	■ Mid-Tower
Model	■ CSE-732D2-500B
Dimensions	
Width	■ 7.6" (193 mm)
Height	■ 16.7" (424 mm)
Depth	■ 20.68" (525.3 mm)
Weight	■ Net Weight: 27.5 lbs (12.47 kg) ■ Gross Weight: 33 lbs (14.97 kg)
Available Colors	■ Black
Front Panel	
Buttons	■ Power On/Off button
LEDs	■ Power status LED ■ Hard drive activity LED ■ Network activity LED ■ System Overheat LED
Ports	■ 2x Front USB 2.0 ports ■ 2x Front HD/AC97 Audio ports
Drive Bays	
Hard Drive	■ 4x 3.5" SATA HDD Bays ■ Enterprise SATA HDD only recommended
Peripheral Bay	■ 2x 5.25" peripheral drive bays ■ 1x 3.5" peripheral drive bay
System Cooling	
Fans	■ 1x 12cm (1850rpm) front cooling fan (opt.) ■ 1x 12cm (1850rpm) rear exhaust fan ■ Optimized Cooling Technology at 21dB Whisper-Quiet Operation
Power Supply	
500W AC power supply w/ PFC	
AC Voltage	■ 100 - 240V, 50-60Hz, 7-3.5 Amp
+5V	■ 20 Amp
+5V standby	■ 3 Amp
+12V1	■ 17 Amp
+12V2	■ 17 Amp
+12V3	■ 17 Amp
+12V4	■ 18 Amp
-12V	■ 0.5 Amp
+3.3V	■ 15 Amp
Certification	Bronze Certified [Test Report]
PC Health Monitoring	

BIOS Features	■ DMI 2.3 ■ PCI 2.3 ■ ACPI 1.0 / 2.0 ■ USB Keyboard support ■ RTC (Real time Clock) Wakeup ■ 3TB HDD Support

CPU	■ Monitors for CPU Cores, +1.8V, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory, Chipset Voltages. ■ 6-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V
FAN	■ Total of 5 fan headers supporting up to 5 fans
Temperature	■ Monitoring for CPU and chassis environment ■ Thermal Control for 5x 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-C7P67	1	Super C7P67 Motherboard
	CSE-732D2-500B	1	Mid-Tower Chassis
Cable 1	CBL-0044L	4	SATA CABLE 57.5CM FLAT S-S PBF. 26AWG flat
CD	CDR-C7	1	Driver CD for C7 Series motherboard
I/O Shield	MCP-260-00046-0N	1	Standard I/O Shield for C7P67 or X9SRA with EMI Gasket

Optional Parts List			
	Part Number	Qty	Description
Add-On Card Reader	AOC-GPU-NVQ2000	-	Nvidia Quadro 2000 GPU Card
Cable	CBL-0082L	-	Y split SATA power extension 15cm, PBF
Cable	CBL-0454L	-	USB3.0 to 2.0 Adapter Cable-30cm (19pin Male to 9pin Female)
Cable	CBL-0179L	-	SATA Cable 70cm Flat S-S PBF for DVD ROM
Card Reader	MCP-450-73101-0B	-	All-In-One card reader (for SC732D only)
Cooling Fan	FAN-0124L4	-	12cm (1850rpm) cooling fan
Chassis Part	MCP-220-73201-0N	-	SC732 Internal 2.5" HDD cage module (4x 2.5" HDD)
DVD-ROM	DVM-LITE-DVDRW24-HBT	-	BLACK LITE-ON 5.25" HH 24X DVD-RW SATA DRIVE PBF
Heat Sink	SNK-P0046A4	-	2U Active CPU HS for Intel LGA1155/LGA1156

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