

SuperServer 5130AD-T



Dual U.2, M.2

and Intel®Optane™ Technology ready!

Integrated Board



Super C7Z270-PG

Views: | [Angled View](#) | [Side View](#) |
| [Front View](#) | [Rear View](#) |

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Note: Image above may show a varied configuration of optional parts.
Please refer to parts list for standard parts included.

Key Features

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

1. Single socket H4 (LGA 1151) supports Intel® 7th/6th Gen. Core™ i7/i5/i3 series
2. Intel® Z270 Express Chipset
3. Up to 64GB Non-ECC UDIMM, DDR4-3733MHz (OC), in 4 DIMM slots
4. 4 PCI-E 3.0 x16 (run at 16/NA/16/NA, 8/8/8/8, Auto Switch), 1 PCI-E 3.0 x4
5. 2 PCIe 3.0 x4 M.2 (support 22110) 1 compatible w/ SATA; RAID 0, 1 support
6. 2 PCIe 3.0 x4 U.2 (1 share with M.2); RAID 0, 1 support
7. USB 3.1/3.0/2.0, 2 GbE LAN ports (1 via Intel i210-AT, 1 via Intel i219V)
8. Removable 3.5" and 2.5" HDD/SSD cages with tool-less trays for up to 10 drives; 2x 5.25" Peripheral Drive Bays
9. 1 DP (Display Port), 1 HDMI
10. HD Audio 7.1 channel connector by Realtek ALC1150, support SPDIF-Out
11. 750W Multi-output ATX Power Supply with modular cable; 80Plus Gold

Specifications

Product SKUs - Discontinued SKU (EOL). Please contact sales-rep for alternative options.

SuperServer ■ **SYS-5130AD-T (Black)**

Motherboard

Super C7Z270-PG

Processor/Cache

CPU ■ **Intel® 7th/6th Gen Core i7/i5/i3 series processors; CPU TDP support up to 160W TDP**
■ Single Socket H4 (LGA 1151)

System Memory

Memory Capacity ■ 4x 288-pin DDR4 DIMM slots
■ Supports up to 64GB DDR4 Non-ECC Un-Buffered memory (UDIMM) in 4 DIMM slots

Memory Type ■ Frequency up to 3733MHz(OC) non-ECC DDR4 SDRAM 72-bit, 288-pin (UDIMM) gold-plated DIMMs
■ Support overclocking up to 3733MHz*
* Please check the operation manual for supported components

DIMM Sizes ■ 16GB, 8GB, 4GB, 2GB, 1GB

Memory Voltage ■ 1.2V

On-Board Devices

Chipset ■ Intel® Z270 Express Chipset

SATA ■ SATA3 via PCH w/ RAID 0, 1, 5, 10

Network Controllers ■ Intel® i219V Controller
■ Intel® i210-AT Controller
■ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output

Audio ■ RealTek ALC1150 HD Audio

Input / Output

SATA ■ 6 SATA3 (6Gbps) ports

LAN ■ 2 RJ45 Gigabit Ethernet LAN ports

USB ■ 4 USB 3.0 ports (2 rear, 2 via headers)
■ 8 USB 2.0 ports (2 rear, 6 via headers)
■ 4 USB 3.1 ports (3 Type A, 1 Type C)

Audio ■ 7.1 HD Jacks
■ Support SPDIF-Out (rear)

Display ■ 1 DP (Display Port), 1 HDMI

Serial Port / Header ■ 1 COM port (header)

Expansion Slots

Chassis

Form Factor ■ Mid-Tower

Model ■ **CSE-GS5A-753K**

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

Ports ■ 2 USB 3.0 ports
■ 1 Earphone, 1 Microphone port

Drive Bays

Internal HDD/SSD ■ 4x 2.5" drive bays, and 6x combination bays that can house either 3.5" or 2.5" drives

Peripheral ■ 2x 5.25" Peripheral Drive Bays

System Cooling

Fans ■ 3x 12cm PWM fans
■ Compatible with 120mm and 240mm closed-loop water cooling kits

Power Supply

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

AC Input ■ 100-240Vac, 50-60Hz

+5V ■ Max: 20A & Min: 0A

+12V ■ Max: 62A & Min: 0.1A (100Vac-240Vac)

+3.3V ■ Max: 20A & Min: 0A

+5V SB ■ Max: 2.5A & Min: 0A

-12V ■ Max: 0.3A

Certification



Gold Certified

PC Health Monitoring

Voltage ■ Monitors for CPU Cores, +12V, +3.3V, +5V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.
■ 5-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V

PCI-Express

- 4 PCI-E 3.0 x16 slots
(run at 16/NA/16/NA, 8/8/8/8, Auto Switch)
- 1 PCI-E 3.0 x4 slot
- 2 PCIe 3.0 x4 M.2
(support 22110, RAID 0, 1)
- 2 PCIe 3.0 x4 U.2
(1 share with M.2, RAID 0, 1 support)

System BIOS**BIOS Type**

- 128Mb SPI Flash EEPROM with AMI BIOS

BIOS Features

- DMI (SMBIOS) 2.7
- ACPI 5.0
- USB Keyboard support

FAN

- Total of five 4-pin fan headers supporting up to 5 fans
- 5x fans with tachometer status monitoring
- Status monitor for speed control
- Status monitor for on/off control
- Support 3-pin fans (w/o speed control)
- Low noise fan speed control
- Pulse Width Modulated (PWM) fan connectors

Temperature

- Monitoring for CPU and chassis environment
- CPU thermal trip support
- FC temperature sensing logic
- Thermal Monitor 2 (TM2) support
- 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-C7Z270-PG	1	Super C7Z270-PG Motherboard
	CSE-GS5A-753K	1	3U Mid-Tower Chassis
Manual	MNL-1955-QRG	1	5130AD-T Quick Reference Guide
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
Heat Sink	SNK-P3002A	-	Liquid Cooling Module w/ a 3-pin Pump Connector for SYS-5038AD-I and SYS-5039AD-T