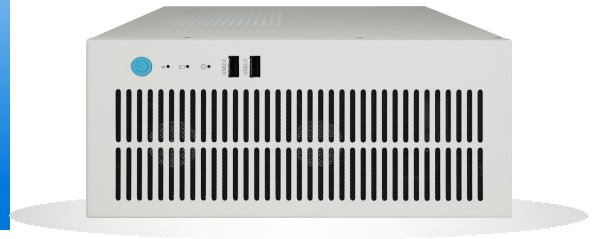


# BOX24-C Specification



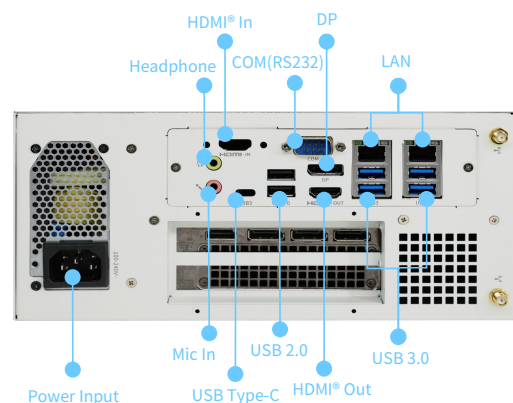
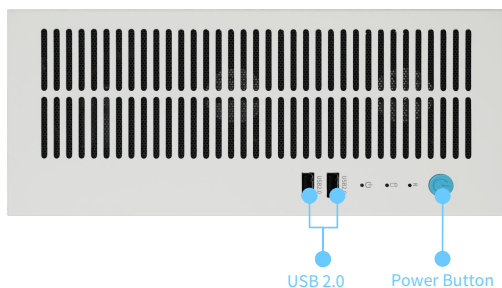
## Overview

Decenta BOX24-C can be widely used in AI medical, industrial manufacturing, machine vision and so on.

- Intel® 13<sup>th</sup>/12<sup>th</sup> generation Core processor platform.
- 2x DDR5 4800MHz SO-DIMM, Dual channel, Max.64G.
- Supports up to Geforce RTX 3070.
- Support image capture card with PCIe4 slot.
- Rich interface types, including HDMI® OUT, DP, USB, Type-C, COM, Audio and so on.
- Expandable with multiple PCIE slots.
- Support Intel® vPro® \* technology.
- Powerful CPU Computility and image processing performance to accelerate AI medical applications.



## I/O Overview



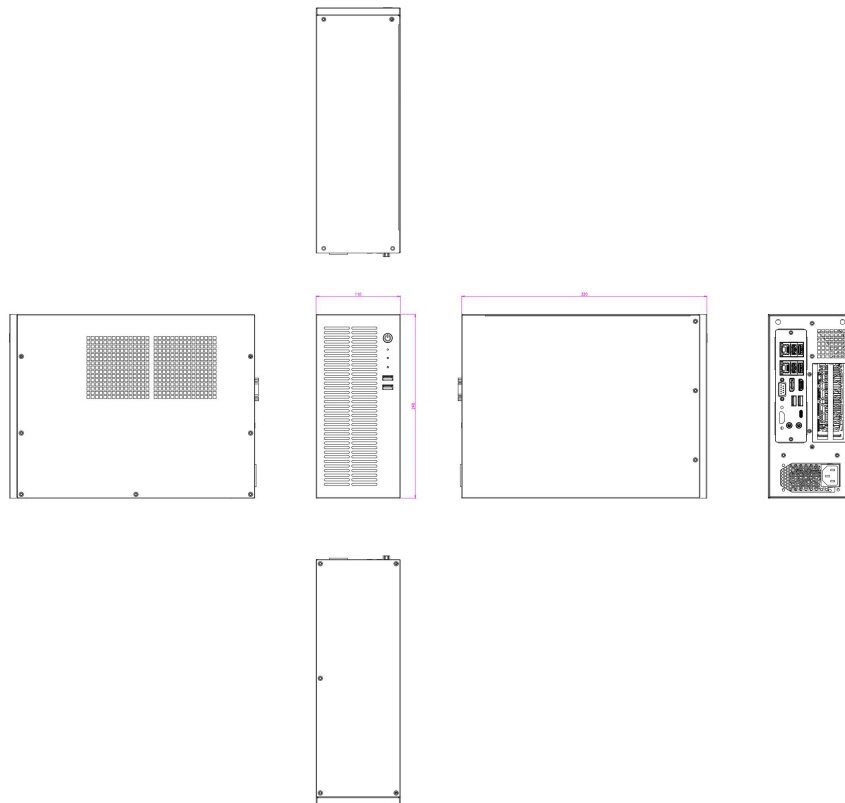
# Specifications

| Model       |                           | S23-ADLS-BOX24-C   |   |            |
|-------------|---------------------------|--|---|------------|
| SKU         |                           | SKU 1  | SKU 2   |            |
| CPU         |                           | Support 12th Gen Intel® Core™ i7/i5/i3 Processor,Compatible with Gen 13 Processors |   |            |
| Chipset     |                           | Intel® Q670  | Intel® H610   |            |
| Power Phase |                           | 7+1 Phase-switching voltage regulator  |   |            |
| Memory      | Type                      | Up to 5600/4800MHz, 2x DDR5 SO-DIMM Memory, Dual channel*                          |   |            |
|             | Capacity                  | Max.64GB   |   |            |
| Graphic     | Controller                | Intel® Iris Xe Graphics architecture   |   |            |
|             | Connector                 | HDMI®, with resolution of 4K@60Hz<br>DP, with resolution of 8K@60Hz                |   |            |
|             | Discreted Graphic Support | Default Support NV RTX A4000 & NV Geforece GTX1660TI & NV GTX 1080                 |   |            |
| Network     | Ethernet                  | Controller   | 1xIntel®i226-V<br>1xIntel®i219-V  |            |
|             |                           | Connector  | 1x2.5Gbe RJ45<br>1x1Gbe RJ45  |            |
|             | Wi-Fi                     | 1x M.2 E-Key2230 Slot for WIFI&BT  |   |            |
| Audio       | Controller                | Realtek ALC897   |   |            |
| Expansion   | PCIe                      | 1x PCIe X16 Slot by I/O Card   |   |            |
|             |                           | 1x PCIeX4 Slot by I/O Card   | 1x PCIe X4 Slot*, Support X4 & X2 Mode  |            |
|             | M.2                       | 1x M-Key 2280 M.2 Slot by I/O Card, PCIe X4 Mode                                   | 1x M-Key 2280 M.2 Slot, Support X4 & X2 Mode,Share with PCIe X4 Slot**          |            |
| Storage     | SSD                       | 1x M.2 M-Key 2242/2280 Slot,Support SATA & PCIe X4 mode                            | 1x M.2 M-Key 2242/2280 Slot, Support SATA or PCIe X1 mode, Default PCIe X1 Mode |            |
|             | SATA                      | 2x 2.5"  |   |            |
| I/O         | Front                     | USB  | 2x USB 3.0 or 2x USB 2.0  | 2x USB 2.0 |
|             |                           | LED  | 2(Power_LED/ HDD_LED)   |            |
|             |                           | Power Button   | 1   |            |
|             |                           | Recovery Button  | 1(System Recovery)  |            |
|             | Rear                      | LAN  | 2   |            |
|             |                           | USB 3.0  | 4   |            |
|             |                           | USB 2.0  | 2   |            |
|             |                           | USB Type-C   | 1, with DP Alt mode, Co-lay with only USB Function Only                         | /          |
|             |                           | HDMI® Out  | 1   |            |
|             |                           | DP   | 1   |            |
|             |                           | Headphone  | 1   |            |
|             |                           | Mic In   | 1   |            |
|             |                           | COM  | 1(RS232)  |            |
|             | Antenna                   | 2  |   |            |
|             | Internal                  | COM Header   | 2, RS232/422/485, Reserved only   |            |
|             |                           | GPIO   | 8 input, 8 output, Reserved only  |            |
|             |                           | SATA   | 2x 2.5" SATA  |            |
|             |                           | Power ATX Connector  | 1x 24Pin<br>1x 8pin   |            |
|             |                           | Fan  | 2x CPU Fan(PWM), 2x Chassis Fan   |            |
|             | Environment               | Temperature  | Operating   | 0°C-40°C   |
| Storage     |                           |  | -20°C-70°C  |            |

# Specifications

| Model          |                                     |           | S23-ADLS-BOX24-C  |       |
|----------------|-------------------------------------|-----------|---|-------|
| SKU            |                                     |           | SKU 1   | SKU 2 |
| Environment    | Humidity                            | Operating | 10%~90% RH non-condensing   |       |
|                |                                     | Storage   | 5%~95% RH non-condensing  |       |
| Feature        | TPM                                 |           | V2.0, Reserved  |       |
|                | Intel® vPro                         |           | Y   | N     |
|                | Intel® Bios Guard                   |           | Y   |       |
|                | Intel®VT-X                          |           | Y   |       |
|                | Intel® VT-D                         |           | Y   |       |
|                | Intel®Platform Trust Technology     |           | Y   |       |
|                | Intel® Active Management Technology |           | Y   | N     |
| Cooling system |                                     |           | FAN & Heatsink  |       |
| Power          |                                     |           | 500W  |       |
| OS             |                                     |           | Linux/Ubuntu/Win 10/Win 11  |       |
| Bios           |                                     |           | Insyde BIOS   |       |
| Dimensions     |                                     |           | 310mm x242mm x105mm   |       |
| Remark         |                                     |           | * When X4 signal is used, can't use with M.2 at same time<br>** When X4 signal is used,can't use with PCIe X4 Slot at same time |       |

## Dimensions (Unit: mm)



\*Specifications and information contained in this document are furnished for informational use only, and are subject to change at any time without notice, and should not be construed as a commitment by Decenta.