

# BOX24-C Specification

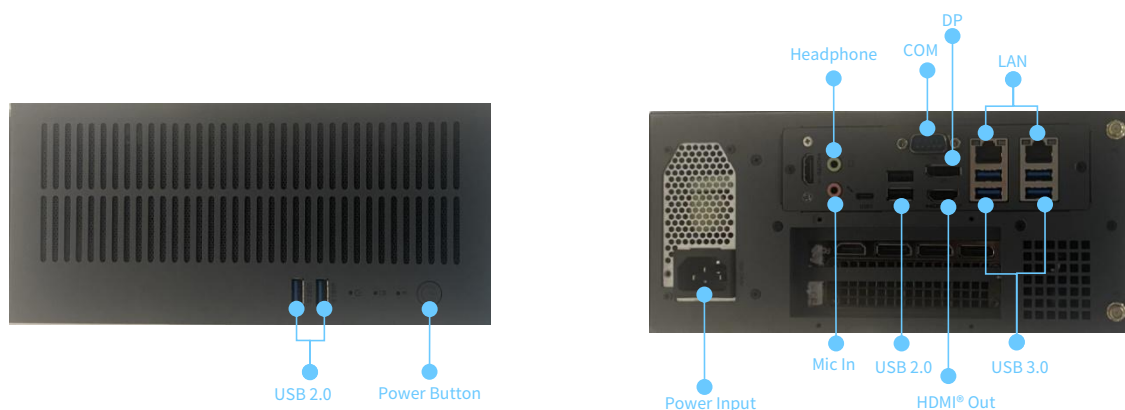


## Overview

Decenta BOX24-C is a powerful terminal built with Intel® Raptor Lake /Alder Lake platform. It is widely used in various scenarios such as intelligent medical, machine visualization, etc.

- Intel® 13th/12th generation Core™ i9/i7/i5/i3 processor.
- 2x DDR5 5600MHz\*/4800MHz SO-DIMM, Dual channel, Max.64G.
- 1x M.2 M-Key 2242/2280 Slot, Support SATA & PCIe mode.
- 1x M.2 E-Key 2230 Slot for WIFI/BT, Support PCIe & CNVi mode.
- Powerful CPU Computility and image processing performance to accelerate AI medical applications.
- Excellent Extensibility with 1x PCIe x16 Slot, 1x PCIe x4 Slot or 1x M.2 M-Key 2280 Slot.
- High resolution display, Max support 8K@60Hz.

## I/O Overview



\* 13th Gen CPU i7 & above will support 5600MHz.

# Specifications

Model		S23-ADLS-BOX24-C		
CPU		Support 13th/12th Gen Intel® Core™ i9/i7/i5/i3 Processors		
Chipset		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® UHD Graphics		
	Connector	HDMI®/DP		
	Discreted Graphic Support	Default support NV RTX A4000 & NV Geforece GTX1660TI & NV GTX 1080		
Network	Ethernet	Controller	1x Intel® i226-V 1x Intel® i219-V	
		Connector	1x 2.5Gbe RJ45 1x 1Gbe RJ45	
WIFI		1x M.2 E-Key 2230 slot for WIFI 6E + BT 5.3, Support PCIe + USB & CNVi Signal		
Audio	Controller	Realtek ALC897		
Expansion	PCIe	1x PCIe X16 Slot		
		1x PCIe X4 Slot**, Support X4 & X2 Mode		
M.2		1x M-Key 2280 M.2 slot, Support X4 & X2 Mode		
Storage	SSD	1x M.2 M-Key 2280/2242 slot, Support PCIe X1 or SATA mode, BOM Option, Default PCIe X1		
	SATA	2x 2.5" SATA		
I/O	Front	USB 2.0	2	
		LED	2 (Power_LED_Red; Power on: Solid Red, S3: Blinking Red, S4/S5: Off HDD_LED_Yellow; Not transmitting data: Off, Transmitting data: Blinking Yellow)	
		Power Button	1	
		Recovery Button	1	
	Rear	LAN	2(1x 2.5Gbe RJ45 & 1x 1Gbe RJ45)	
		USB 3.0	4	
		USB 2.0	2	
		HDMI® Out	1, With resolution of 4K@60Hz	
		DP	1, With resolution of 8K@60Hz	
		Headphone	1	
		Mic In	1	
		COM	1(RS232)	
		Antenna	2	
		Power Input	1	
	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 1x 8pin	
		Fan	2x CPU Fan(PWM), 2x Chassis Fan	
Environment	Temperature	Operating	0°C-40°C	
		Non-operating	-20°C-70°C	
	Humidity	Operating	10%~90% RH non-condensing	
		Non-operating	5%~95% RH non-condensing	

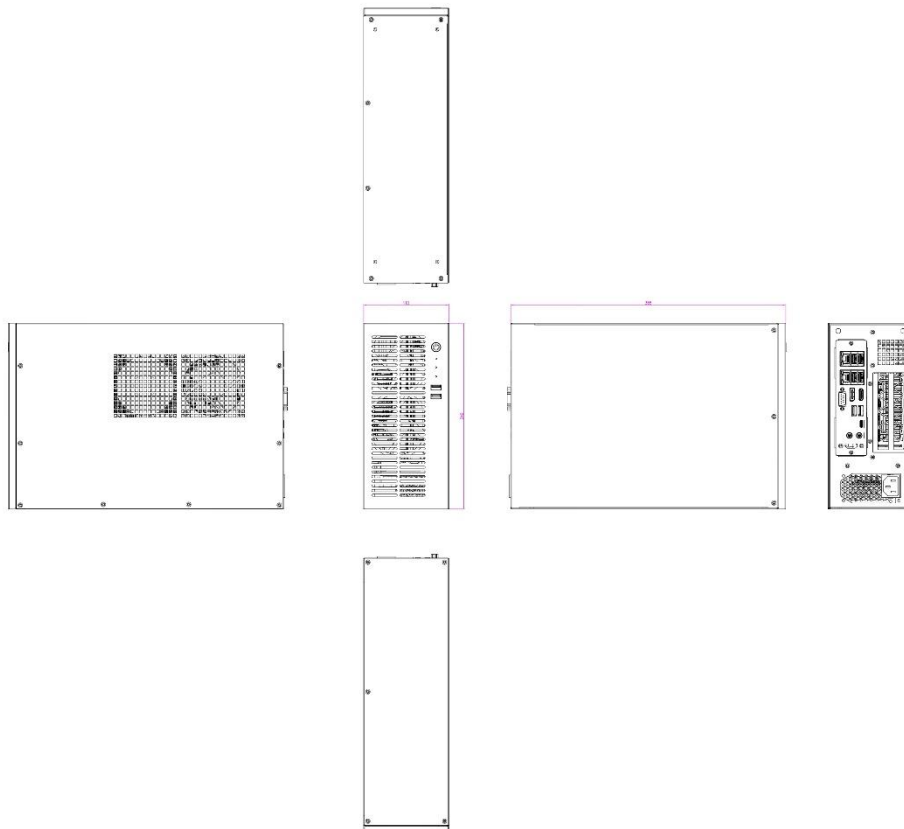
# Specifications

Model	S23-ADLS-BOX24-C	
Feature	TPM	V2.0, Reserved
	Intel® Bios Guard	Y
	Intel®VT-X	Y
	Intel® VT-D	Y
	Intel®Platform Trust Technology	Y
Cooling system	FAN & Heatsink	
Power	500W	
OS	Linux/Ubuntu/Win 10/Win 11	
Bios	Insyde BIOS	
Dimensions	355mm x240mm x110mm	
Remark	*13th Gen CPU i7 & above will support 5600MHz. ** When X4 signal is used, Can't use with M.2 at same time.	

## Optional Accessories

Module	Model Name	Wi-Fi Ver.	Bluetooth Ver.	Host Interface
WIFI Module	AX 201	Wi-Fi 6	BT 5.2	CNVio2
	AX 210	Wi-Fi 6E	BT 5.3	PCIe, USB

## 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.