BOX24 Specification

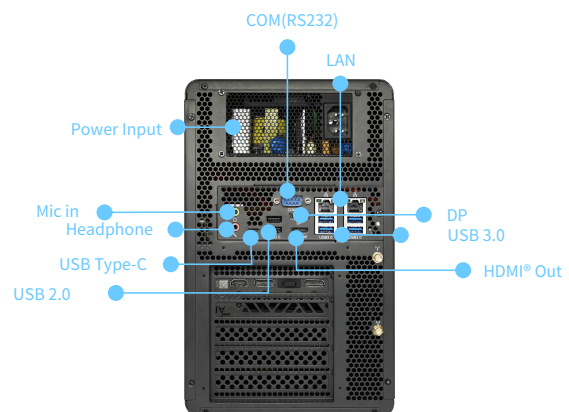## Overview

Decenta BOX24 is widely used in various scenarios such as intelligent medical,machine visualization,etc.

- Intel® 12th generation Core™ processor, Compatible with 13th generation processor.
- 2x DDR5 4800MHz SO-DIMM, Dual channel, Max.64G.
- Support Wi-Fi and Bluetooth.
- support M.2 SSD, with SATA/PCIe mode, support NVMe Mode.
- Superb ability with high performance graphic card support.
- Excellent Water cooling system.
- Support Intel® vPro®* technology.
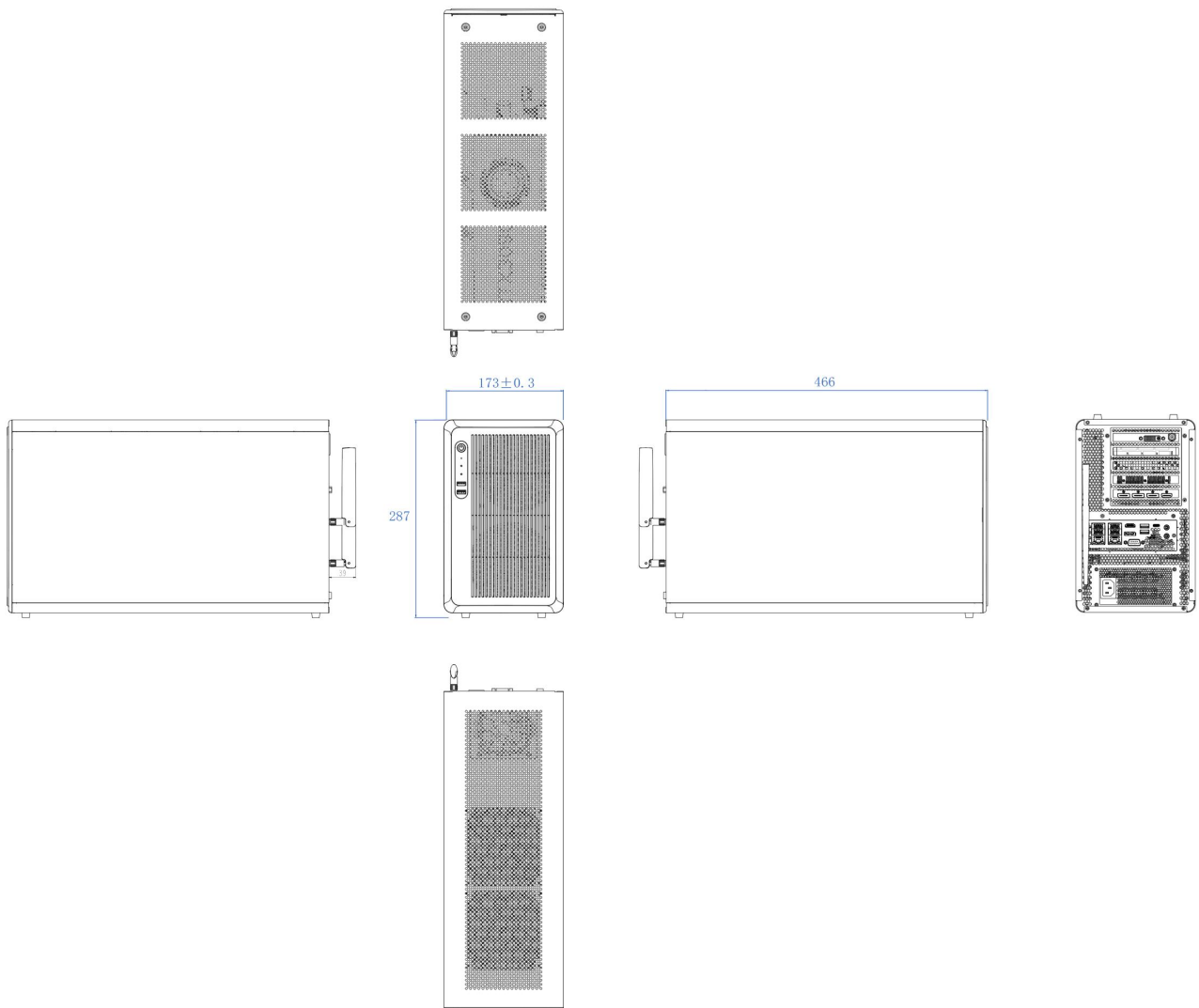- Support Intel® BIOS Guard technology.

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

I/O Overview

Power Button
Reset Button
LED
USB 3.0

COM(RS232)
LAN
Power Input
Mic in
Headphone
USB Type-C
USB 2.0
DP
USB 3.0
HDMI® Out

Specifications

Model			S23-ADLS-BOX24
CPU			Support 12th Gen Intel® Core™ i7/i5/i3/i9 Processor, Compatible with Gen 13 Processors
Chipset			Intel® Q670
Memory	Type		Up to 5600/4800MHz, 2x DDR5 SO-DIMM Memory, Dual channel* * 13th Gen CPU i7 & Above will support 5600MHz
	Capacity		Max.64G
Graphic	Controller		Intel® Iris Xe Graphics architecture
	Connector		HDMI®/DP
	Add-on Graphic Card		Max. 1x GeForce RTX 4080 Max. 1x Intel Arc 770 Max. 2x GeForce RTX 4060
Network	Ethernet	Controller	1x Intel® i226-V 1x Intel® i219-V
		Connector	1x 2.5Gbe RJ45 1x 1Gbe RJ45
	Wi-Fi		1x M.2 E-Key 2230 Slot for WIFI/BT
Audio	Controller		Realtek ALC897
Expansion	PCIe		2x PCIe X16 Slot 1x PCIe X4 Slot
Storage	SSD		1x M.2 M-Key 2242/2280 Slot, Support SATA & NVMe X4 mode
	SATA		2x 2.5''
I/O	Front	USB 2.0	2
		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
		HDMI®	1,with resolution of 4K@60Hz
		DP	1,with resolution of 8K@60Hz
		USB Type-C	1,with DP Alt mode,Co-lay with only USB Function Only
		Antenna	2
		Mic In	1
		Headphone	1
		COM	1(RS232)
	Internal	COM Header	2, RS232/422/485, Reserved only
		USB 2.0	2x 5Pin Header
		USB 3.0	2x 10Pin Header
		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, 1x Water_Pump Fan
Environment	Temperature	Operating	0℃-40℃
		Storage	-20℃-70℃
	Humidity	Operating	10%~90% RH,non-condensing
		Storage	5%~95% RH,non-condensing
Feature	TPM		V2.0, Reserved
	Intel® vPro*		Y

Specifications

Model		S23-ADLS-BOX24
Feature	Intel® Bios Guard	Y
	Intel®VT-X	Y
	Intel® VT-D	Y
	Intel®Platform Trust Technology	Y
	Intel® Active Management Technology	Y,Capable on Intel vPro® platforms
Cooling System		Water Cooling System
Noise Value		Below 38db
Power Supply		850W
OS		Linux/Ubuntu
Bios		Insyde BIOS
Dimensions		466mm x 173mm x 280mm

Dimensions (Unit：mm)

173±0.3

466

287