

ATX02 Specification

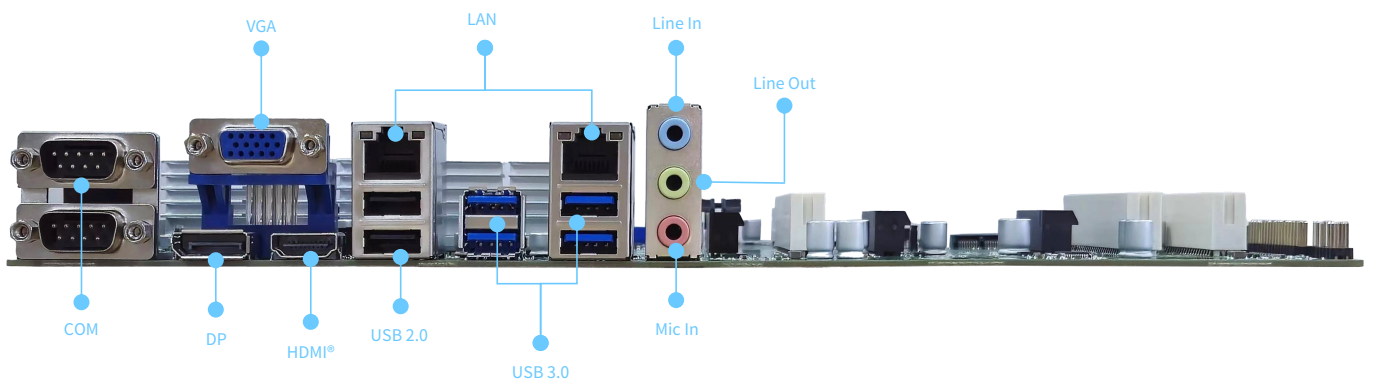


Overview

Decenta ATX02 stand out for standard size, multiple expansion slots, rich I/O interfaces, and powerful power management. It performs well in industrial control and automation applications that require high-performance computing and scalability, such as Industrial automation, embedded systems, communication equipment, industrial servers, etc.

- Support Intel® 14th/13th/12th gen Core™ i9/i7/i5/i3 & Pentium®/Celeron® processor
- Intel® H610 Chipset
- Support 2 x DDR4 3200MHz UDIMM, Dual Channel up to 64GB
- Rich display interfaces with VGA/HDMI®/DP
- 1x M.2 E-Key 2230 Slot for Wi-Fi 6E & BT 5.3
- 1x M.2 M-Key 2242/2280 Slot for storage
- Max. 1x PCIe X16 Slot, 3x PCIe X4 Slot, 3x PCI Slot
- Support TPM 2.0, Watchdog

I/O Overview



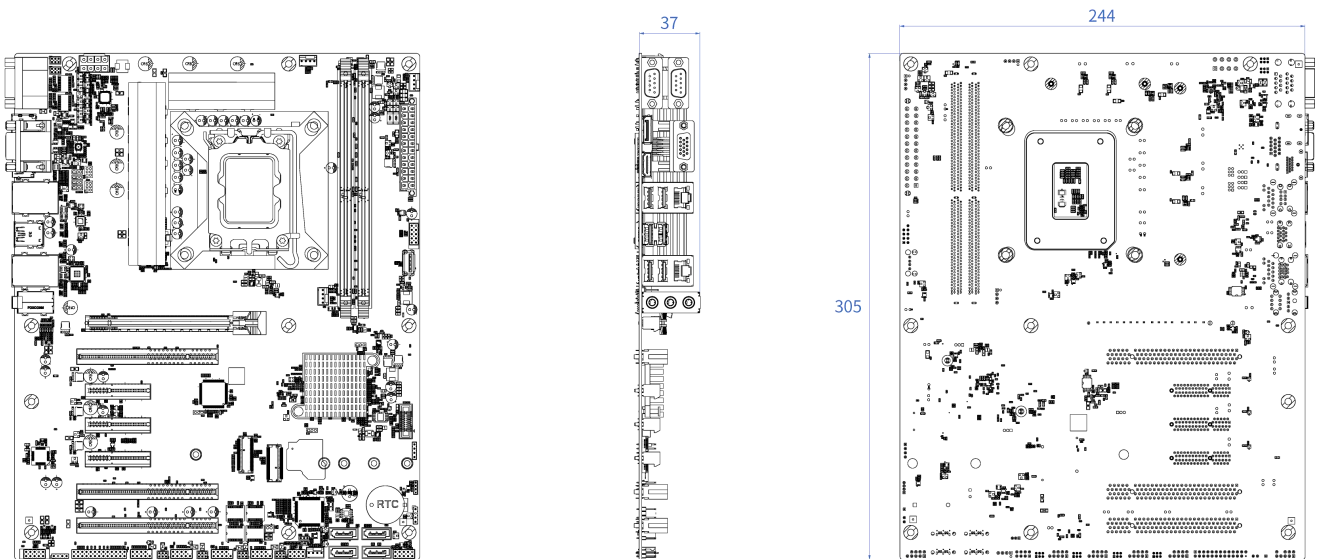
Specifications

Model		M24-RPLS-ATX02		
SKU		SKU1	SKU2	
Processor		Support Intel® 14th/13th/12th gen Core™ i9/i7/i5/i3 & Pentium®/Celeron® Processor, TDP 65W		
Chipset		Intel® H610, TDP 6W		
Power Phase		6+1+1Phase-switching voltage regulator *Monitors for CPU Cores, Chipset Voltages, Memory		
Memory	Type	2 x DDR4 3200MHz UDIMM Memory, Dual Channel		
	Capacity	Max.64GB		
Graphic	Controller	Intel® UHD Graphics 770 driven by Xe Architecture		
	Connector	VGA/HDMI®/DP		
Network	Ethernet	Controller	1x Intel® i219V & 1x Intel® i210	
		Connector	1Gbe RJ45	
	Wi-Fi	1x M.2 E-Key 2230 Slot for Wi-Fi 6E & BT 5.3, Support CNVi signal	1x M.2 E-Key 2230 Slot for Wi-Fi 6E & BT 5.3, Support PCIeX1 & CNVi signal	
Audio	Controller	Realtek ALC897		
Storage	SSD	1x M.2 M-Key 2242/2280 Slot, Support PCIe X1 Mode	1x M.2 M-Key 2242/2280 Slot, Support SATA Mode	
	SATA	4	3	
Expansion Slot	PCIe	1x PCIe 4.0 X16 Slot 2xPCIe 3.0 X4 Slot(X2 Signal) 1x PCIe X4 Slot(PCIe X1 Singal)	1x PCIe 4.0 X16 Slot 1xPCIe 3.0 X4 Slot(X4 Signal) 1x PCIe X4 Slot(PCIe X1 Singal)	
	PCI	3		
I/O	Rear	LAN	2x RJ45	
		VGA	1, With resolution of 1920 x 1200 @60Hz	
		HDMI®	1, With resolution of 4K@30Hz	
		DP	1, With resolution of 4K@60Hz	
		USB 3.0	4, USB 3.2 Gen 1	
		USB 2.0	2	
		COM	2x DB9 (RS232/422/485)	
		Mic in	1	
		Line in	1	
		Line out	1	
	Internal	LED	1x P_LED_Green; Power on: Solid Green; Power off: Off	
		COM	4x RS232	
		USB 2.0	2 via (10-1)Pin Header 1 via Connector for security dongle	
		LPT/GPIO Header	1x 2*13(26-1)Pin header/ 8-bit(4 in, 4 out)	
		Power	1x 24Pin ATX + 1x 8Pin ATX	
		CPU Fan	1x 4Pin Header	
		Chassis Fan	3x 4Pin Chassis Fan Headers	
		Chassis Intrusion Header	1x 4Pin Header	
		ATX/AT Mode Jumper	1	
		AAFP	1x 2*5(10-1) Pin Front Panel Audio Header	
System Panel Header	1x 2*5 (10-1) Pin Header			
Buzzer	1			
SPDIF_Out Header	1x 4Pin Header			

Specifications

Model		M24-RPLS-ATX02	
I/O	Internal	PS/2 KB/MS Header	1x 2*4(8)Pin header
		COM Setting jumper(5V/12V/RI)	6x 6Pin Jumper
		COM(RS232/485) Select Jumper	2x 6pin Jumper
		RS485 Singal 120Ω Reslstive Termination Select Jumper	2x 3Pin Jumper
		Power On Wafer	1x 2Pin Header, Reserved
		SMBus Wafer	1x 4Pin Header, Reserved
		CLRTC	1x 3Pin Header
		TPM	1x Header, Reserved
		PCI CLK Select Jumper	1x 66MHz Disbale/Enable Select Jumper
Feature	TPM 2.0		Y
	WatchDog		Programmable 1 ~ 255 sec
	Intel® TCC		Y
Environment	Temperature	Operating	0 ~ 60 °C
		Non-operating	-40 ~ 75 °C
	Humidity	Operating	95%@ 40 °C, RH non-condensing
		Non-operating	95% @ 60 °C, RH non-condensing
Power		1x 24Pin ATX + 1x 8Pin ATX	
OS		Win 10/Win 11/Linux(ubuntu)	
Bios		Insyde	
Dimensions		305mm x 244mm	
Accessory		2x M.2 Screws 1x I/O Shield 2x 430mm SATA Cables	

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.