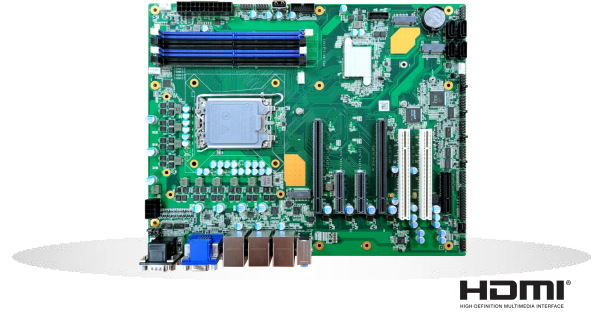


ATX01 Specification

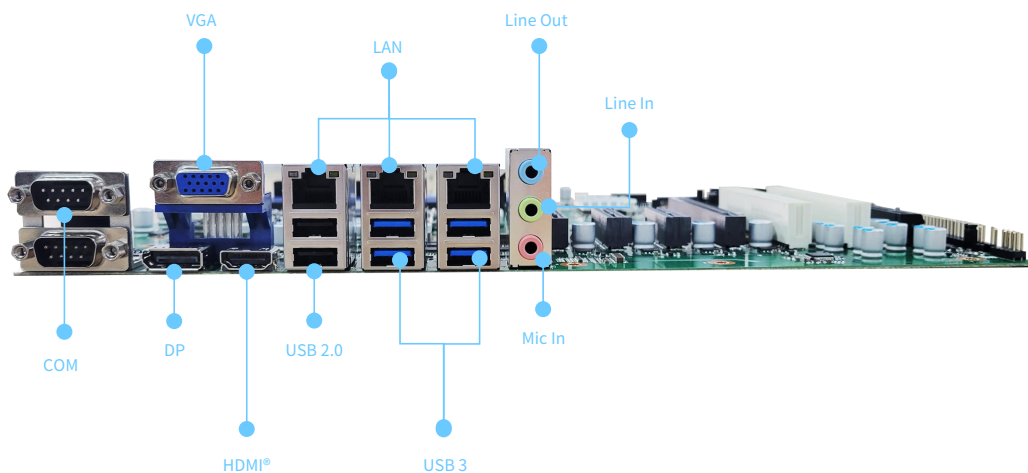


Overview

Decenta ATX01 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® 13th/12th gen Core™ i9/i7/i5/i3 & Pentium®/Celeron® processor.
- Support 4 x DDR5 5600*/4800MHz UDIMM, Dual Channel up to 128GB.
- Rich display interfaces with VGA/HDMI®/DP.
- 1x M.2 E-Key 2230 Slot for Wi-Fi & BT, 2x M.2 M-Key 2242/2280 Slot for storage.
- Excellent expansibility with 2x PCIe5.0 x16 slot, 2x PCIe 4.0 x4 Slot, 1x PCIe 3.0 x4 Slot.
- Support Intel® vPro*.
- Support TPM 2.0, Watchdog.

I/O Overview



*Depend on CPU and Network module.

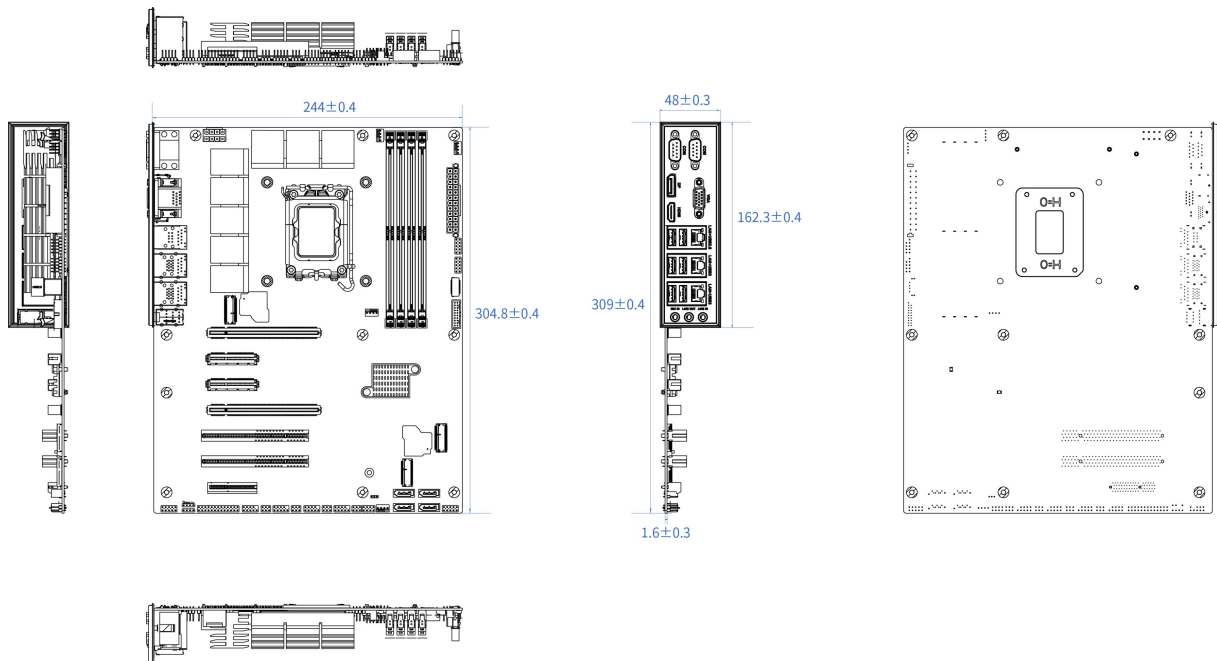
Specifications

Model		M23-RPLS-ATX01	
CPU		Support Intel® 13 th /12 th gen Core™ i9/i7/i5/i3 & Pentium®/Celeron® processor	
Chipset		Intel® Q670E	
Memory	Type	4 x DDR5 5600*/4800MHz UDIMM, Dual Channel	
	Capacity	Max.128GB	
Graphic	Controller	Intel® UHD Graphic	
	Connector	VGA/HDMI®/DP	
Network	Ethernet	Controller	Intel® i219-LM & 2*Intel® i226V
		Connector	RJ45
	Wi-Fi	1x M.2 E-Key 2230 Slot for Wi-Fi & BT	
Audio	Controller	Realtek ALC897	
Storage	M.2	1x M.2 M-Key 2280 Slot, Support PCIe4 Mode, 1xM.2 M-Key 2242/2280 Slot, Support PCIe Mode, Resevered	
	SATA	4	
Expansion	PCIe	2x PCIe 5.0 X16 Slot(Support 1x 16 or 2x8 mode) 2x PCIe 4.0 X4 Slot 1x PCIe 3.0 X4 Slot	
	PCI	2	
I/O	Front	LAN	3
		VGA	1,with resolution of 1920 x 1200 @60Hz
		HDMI®	1, with resolution of 4K@60Hz
		DP	1, with resolution of 4K@60Hz
		USB 3	2x USB 3.2 Gen2 2x USB 3.2 Gen1
		USB2.0	2
		COM	2(RS232/422/485)
		Mic in	1
		Headphone	1
	Rear	COM	2 x RS232, Header 2x RS232/485, Header, Jumper
		USB 3	2x USB 3.2 Gen 1 via header
		USB 2.0	2 via Header 1 via Connector for security dongle
		LPT/GPIO Header	1x 26Pin 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 10Pin Front Panel Audio Header
		System Panel Header	1x 10Pin Header
		Buzzer	1
		SPDIF_Out Header	1x 4Pin Header
		PS/2 KB/MS Header	1x 8Pin header
		COM Setting jumper	4x 3Pin Jumper
		CLRTC	1x 2Pin Header
		TPM	1x Header

Specifications

Model		M23-RPLS-ATX01	
Environment	Temperature	Operating	0 ~ 60 °C
		Storage	-40 ~ 85 °C
	Humidity	Operating	95%@ 40 °C, non-condensing
		Storage	95% @ 60 °C, non-condensing
Feature	TPM 2.0		Y
	Intel® vPro		Y**
	WatchDog		Programmable 1 ~ 255 sec
Power		AT mode/ATX mode	
OS		Win 10/Win 11/Linux(ubuntu)/UOS	
Bios		Insyde	
Dimensions		304.8mm x 244mm(12"x 9.6")	
Accessory		M.2 Screw 1x I/O Shield SATA Cable	
Remark		* DDR5-5600 MHz support pending ecosystem readiness of memory modules and Intel validation ** Depend on CPU & LAN module	

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.