

HRC-UA-Q670 Specification

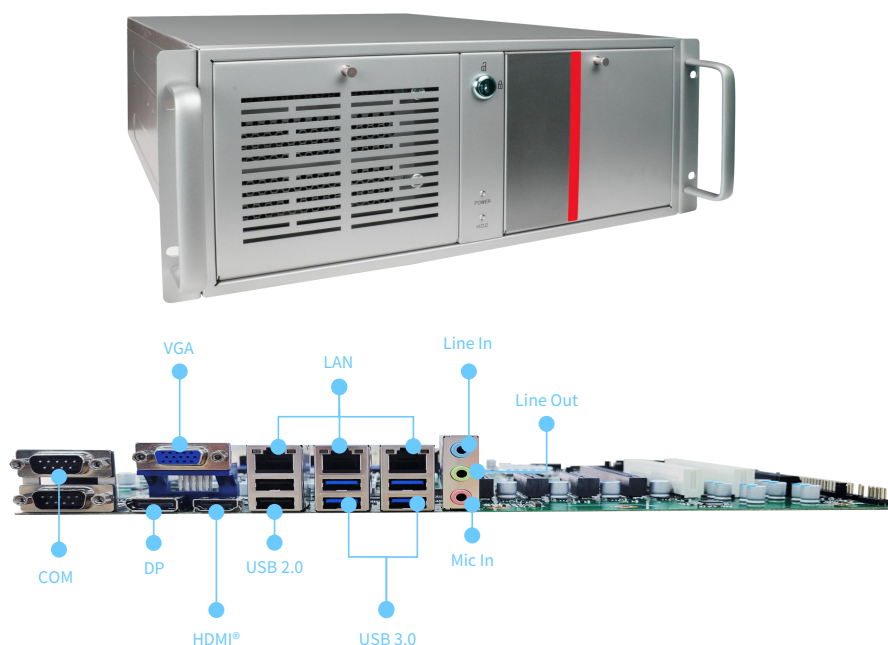


Overview

Decenta HRC-UA -Q670 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® 12th Generation Intel® Core™ desktop processor family.
- 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.

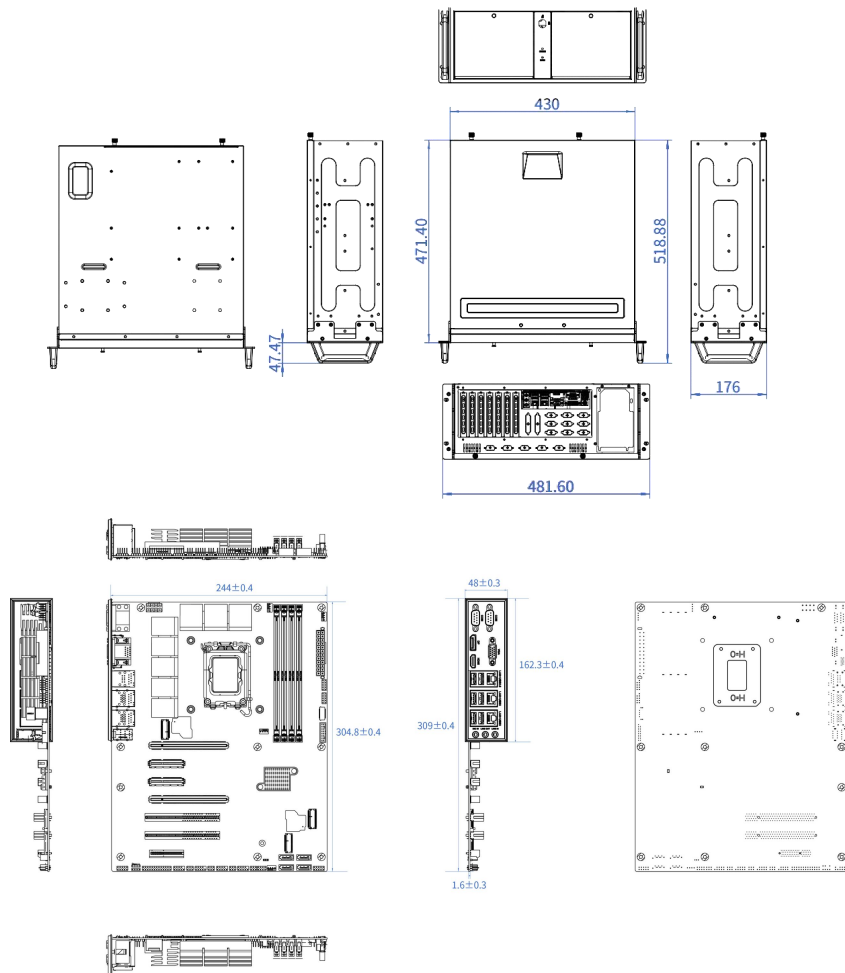
Specifications

Model		HRC-UA-Q670		
CPU		Support Intel® 12th Generation Intel® Core™ desktop processor family		
Chipset		Intel® Q670		
Memory	Type	4 x DDR5 5600*/4800MHz UDIMM, Dual Channel		
	Capacity	Max.128GB		
Graphic	Controller	Intel® UHD Graphics 770 driven XeArchitecture		
	Connector	VGA/HDMI®/DP		
Network	Ethernet	Controller	Intel® i219-LM & 2x Intel® i226V	
		Connector	1x 1Gbe RJ45 2x 2.5Gbe RJ45	
	WIFI	1x M.2 E-Key 2230 slot for WIFI 6E + BT 5.3, Support PCIe + USB & CNVi Signal		
Audio	Controller	Realtek ALC897		
Storage	M.2	1x M.2 M-Key 2280/2242 slot, Support PCIe X2 1x M.2 M-Key 2280 slot, Support PCIe X4 mode		
	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	Rear	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 3.0	2x USB 3.2 Gen2 2x USB 3.2 Gen1	
		USB 2.0	2	
		COM	2x RS232/422/485	
		Mic in	1	
		Line in	1	
		Line Out	1	
	Internal	COM	2 x RS232, Header 2x RS232/485, Header	
		USB 3.0	2x USB 3.2 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 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	
		PS/2 KB/MS Header	1x 8Pin header	
		COM Setting jumper	4x 3Pin Jumper	
		CLRTC	1x 2Pin Header	
		TPM	1x Header	

Specifications

Model		HRC-UA-Q670	
Environment	Temperature	Operating	0~60 °C
		Non-operating	-40~85 °C
	Humidity	Operating	95%@ 40 °C, non-condensing
		Non-operating	95% @ 60 °C, non-condensing
Feature	TPM 2.0	Y	
	Intel® vPro	Y**	
	WatchDog	Programmable 1 ~ 255 sec	
Power		1x 24Pin ATX + 1x 8Pin ATX	
OS		Win 10*/Win 11*/Linux(ubuntu*)	
Bios		Insyde	
Dimensions		304.8mm x 244mm(12"x 9.6")	
Accessory		M.2 Screw 1x I/O Shield 4x SATA Cable	

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.