



Empowering Tomorrow's AI Computing

MIN-EC05A

Edge AI Box PC

Product Catalogue

MIN-EC05A

Intel 8th/9th Gen. Coffee Lake based edge AI box pc

1. Key Features:

MIN-EC05 is an edge AI computer with flexible configuration, ultimate performance, and compact size. Equipped with a Coffee Lake based chipset, it supports 8th/9th Gen. Core i9/i7/i5/i3 CPUs for exceptional performance. With support for independent MXM GPU cards, dual-channel SO-DIMM DDR4 memory up to 64GB, and dual Ethernet ports, it ensures seamless operation in demanding AI applications. Its ultra-compact size of 235*206*52mm, coupled with dual ultra-quiet cooling fans and a copper tube cooling design, making it the ideal choice for space-constrained environments.

2. Specifications:

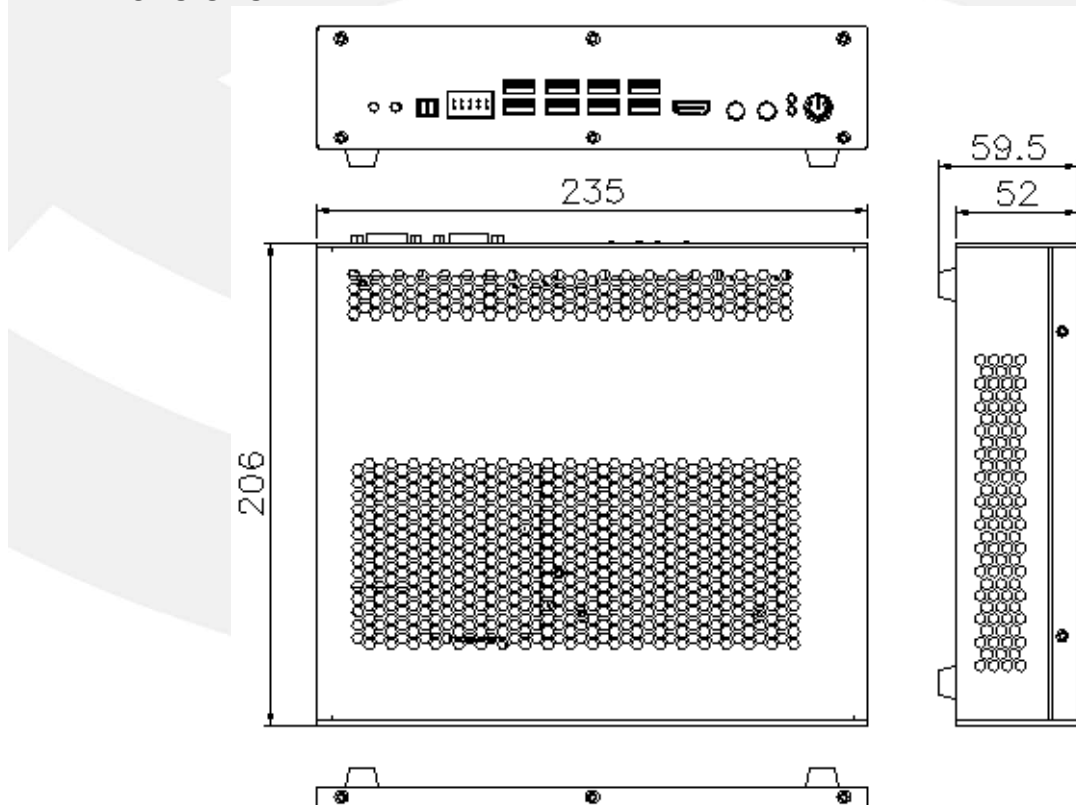
Model No.	MIN-EC05A
System	
CPU	8 th /9 th Gen. Intel® Core™ i9/i7/i5/i3 series CPU
Chipset	Q370
RAM	2 x SODIMM, DDR4 2133/2400/2666/3200MHz, up to 32GB
I/O Ports	
Display	1 x HDMI 1.4(integrated display)
	1 x HDMI 2.0+1 x DP 1.4(independent display)
Ethernet	2 x Intel® i211AT 10/100/1000Mbps Ethernet
COM	COM1/2: RS-232/422/485
USB	6 x USB3.0, 4 x USB2.0, (onboard 2 x USB2.0 pins)
Audio	3.5mm Line out(green), 3.5mm Mic in(pink)
Digital I/O	1 x phoenix port for 8 GPIO (4 input/4 output)

	(Onboard 4 input/4 output GPIO pins)
WOL	1 x phoenix 2P (support distance power button)
Indicator	1 x power indicator, 1 x HDD indicator
Power	1 x Power button
Button	1 x RV button, 1 x REST button
Expansions	
Wireless	1 x M.2 for WiFi/Bluetooth, 1 x M.2 for 4G/5G
MXM	1 x MXM3.1 socket for expanding MXM GPU card
Storage	
SSD	1 x M.2 2280/2242 for expanding NVME/SATA III SSD
Others	
LPC	Internal 1 x LPC pins
Mechanical	
Size	235 (W) x206 (D) x52 (H) mm
Weight	2.6Kg
Installation	Desktop/Wall mount (optional)
Fans	Cooling fan
Power	
DC in	1 x 4 Pin in (19/24V)
DC out	1 x 2 Pin out (12V/1A)
Environmental	
Working Temperature	-10~50°C
Working Humidity	10%~90% non condensing
Storage Temperature	-20~70°C
Storage Humidity	5%~90% non condensing
Reliability Test	Barebone: contact 6K, air 8K ; EMI class A , EMS class B
OS	
Operation System	WIN10/Linux

3. Product Photos:



4. Dimensions:



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