



Empowering Tomorrow's AI Computing

MIN-EC05E

Edge AI Box PC

Product Catalogue

1. Key Features

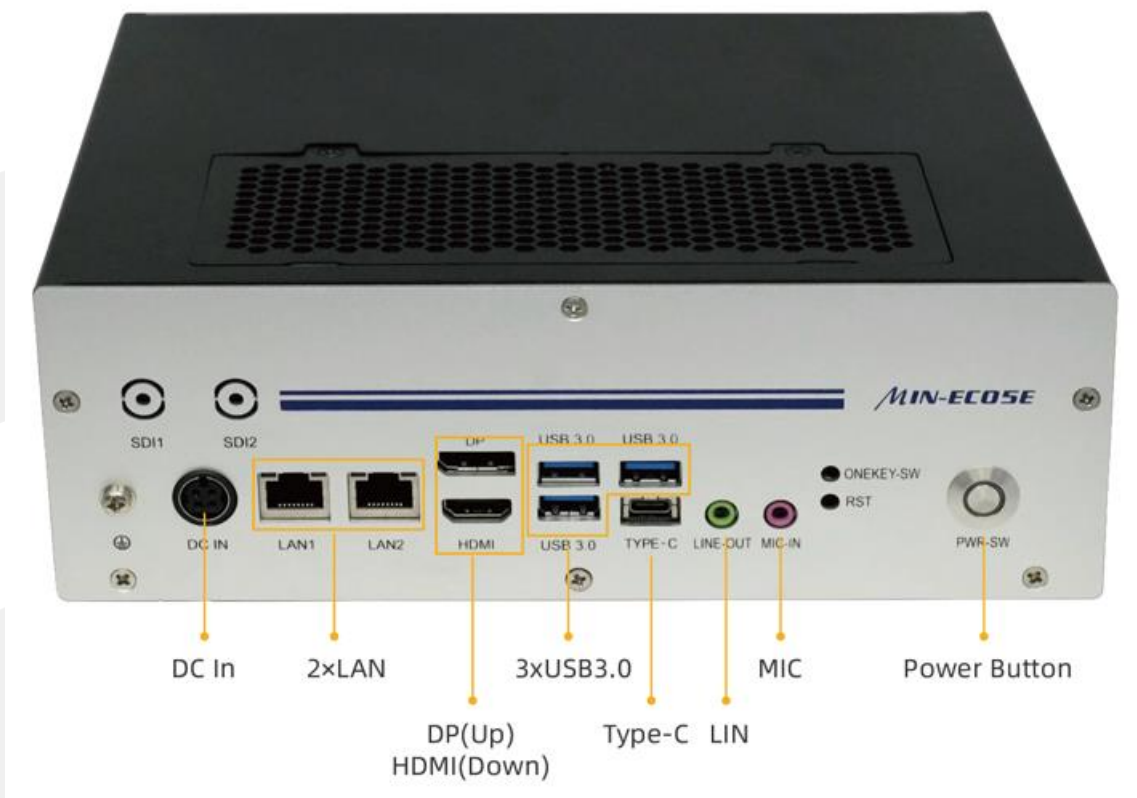
- Designed for edge AI applications
- Support Intel Tiger Lake H series chipset,
- Dual channel DDR4 memory up to 64GB,
- Support independent MXM GPU card,
- Support 2 Ethernet, 3 USB3.0
- Ultra compact size 230*208.5*86mm

2. Specifications

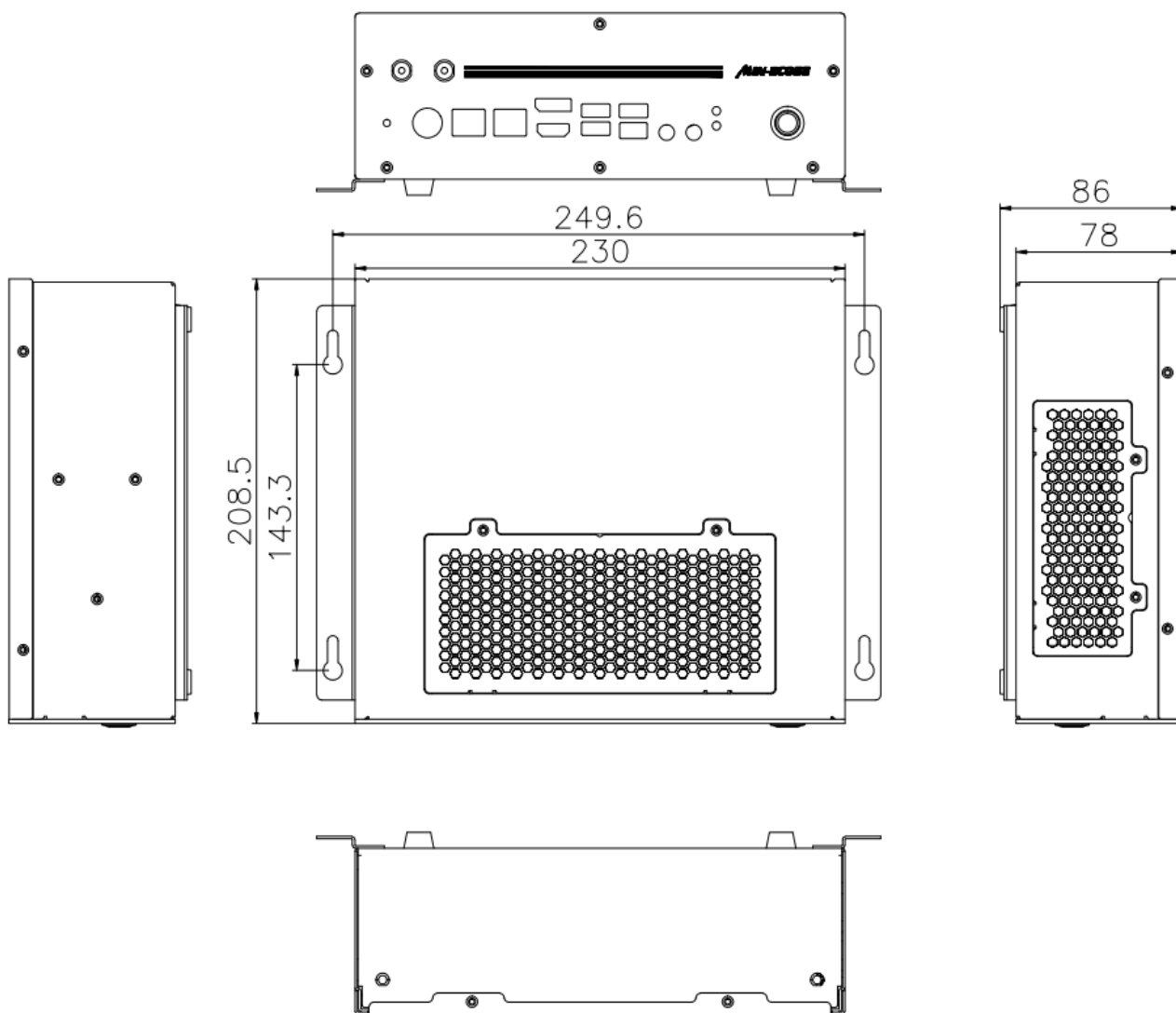
Model		MIN-EC05E		
Processor System	CPU	Intel Tiger Lake-H I5/I7/I9 FCBGA1787		
		I5-11500H	I7-11850H	I9-11950H
	Core Number	6	8	8
	Base Frequency	2.4/2.9GHz	2.1/2.5GHz	2.1/2.6GHz
	Max. Speed	4.60GHz	4.90GHz	5.00GHz
	L2 Cache	12M	24M	24M
	TDP (W)	45W	45W	45W
	Chipset	QM580		
	BIOS	128Mb SPI FLASH		
Memory	Technology	DDR4 SO-DIMM Non-ECC		
	Max. Capacity	single RAM support up to 64G 3200MHz		
	Socket	2 x SO-DIMM		
Expansion Slot	SIM	1 x SIM		
Storage	SATA	1 x SATA3.0(7 Pins)		
	M.2	1 x M.2 Key-M(2242 / 2280) for PCIe/SATA		
		1 x M.2 Key-B(2242 / 2260 / 2280) for SATA & 4G/5G 1 x M.2 Key-E(2230) for Wifi		

Graphics	Multiple Display	2 Ports
	Front I/O	1 x HDMI (From GPU DP_A DP to HDMI) 1 x DP (From GPU DP_B)
	Resolution	HDMI2.0:4096*2160@60Hz DP:7680*4096@60Hz
Ethernet	Controller	Integrated 10/100/1000M/2.5GB Adaption (Intel® Ethernet Controller I225-AT)
	Front I/O	2 x RJ45
USB/Type C	Front I/O	3 x USB3.2 1 x Type C (Support USB3.0)
	Function	Support wake up from S3/S4
Audio	Controller	Integrated High Definition Audio Stereo (ALC897)
	Front I/O	1 x Line Out 1 x MIC In
Others	Button	1 x RV Button 1 x Reset Button
		2 x COM-E 220Pin connectors
Power Requirements	Power Type	1 x DC In(4P In)
	Power input Voltage	18V~26V
Physical	Dimensions	230*208.5*86mm
	Color	Black
OS	Microsoft	Windows 10
	Linux	Support
Environment	Operating Temperature	0~50°C
	Storage Temperature	-20~70°C
	Operating Humidity	10~95% (non-condensing)
	Storage Humidity	10~95%

3. Ports



4. Dimension



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