

# IBOX-603-2L4C-1P



- Supports Intel® 10 /11th LGA1200 Socket Comet Lake-S Processor
- Optional equipped with Intel® Q470E chipset to support vPRO
- Aluminum alloy anti-interference enclosed fanless chassis
- Support triple independent displays with 2\* HDIM and 1\* Display port
- Rich IO interface provide versatile expansion
- Original wide voltage support more stable than transform module



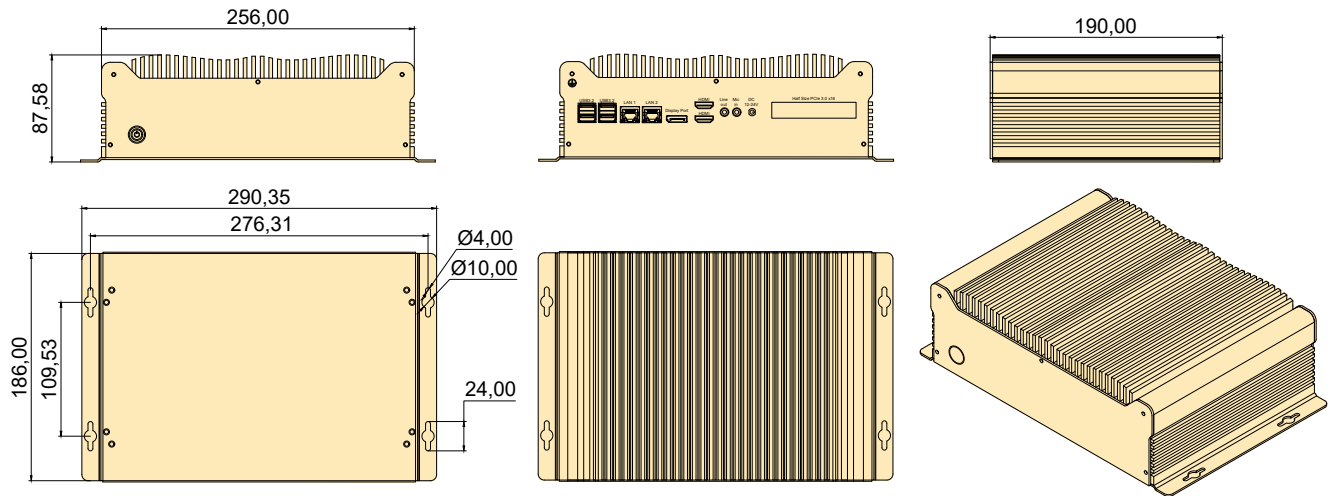
The actual appearance is subject to the final configuration.

## Specifications

<b>Model</b>	IBOX-603-2L4C-1P		
<b>Supported OS</b>	Win 7, Win 8, Win 10, Win 11, Linux (Ubuntu, Dibiian, Kali, CentOS, etc.); WES 7; Win 10 IoT		
<b>Chipset</b>	Model	Intel® H470 Chipset	Intel® Q470E Chipset
	vPRO Tech	Non-supported	Non-supported / Supported
<b>CPU</b>	Socket	Intel® Desktop Processors Socket LGA1200	
	Series	10th/11th Gen. Intel® Core™ i9 / i7/ i5 /i3	10th Gen. Intel® Core™ i3 / 10th/11th Gen. Intel® Core™ i9 / i7/ i5
	TDP	Up to 65W	Up to 65W / Up to 65W
	Graphic	Intel® UHD Graphics 630 for 10th Gen. processor; Intel® UHD Graphics 750 for 11th Gen. processor, 32Eus	
<b>RAM</b>	SO-DIMM	2* Dual-CH DDR4 2933/ 2666 MHz SO-DIMM Socket, Capacity up to 64GB; (Core® i9/ i7 CPUs support DDR4 up to 2933 MHz; Core® i5/ i3 CPUs support DDR4 up to 2666 MHz)	
<b>Storage Device</b>	SATA	1* SATA3.0 connector (6Gb/s)	
	M.2	1* M.2 (NGFF) 2280 M-key slot, support PCIe4 Gen.3 NVMe/ SATA3.0 SSD	
<b>I/O Interface</b>	COM	4* COM headers (COM1/COM2, support RS232/422/485; COM3/COM4, support RS232)	
	Ethernet	1* Intel i225LM 2.5GbE, 1* Intel i219LM GbE LAN	1* Intel i225LM 2.5GbE, 1* Intel i219V GbE
	USB	4 * USB3.2 (Gen.2, 6Gb/s) ; 2* USB3.2 header (Gen.1, 5Gb/s) , 4* USB2.0 header (480Mb/s)	
	Video	2 * HDMI 1.4 (Max Resolution: 4096x2160 @60Hz); 1* DP (Max Resolution: 4096x2304 @60Hz); Support Triple Displays	
	Audio	1* Mic-in, 1* Line-out; With 5.1 channels HD Audio Codec Realtek ALC662; 1* Audio Header	
	SIM	1* Internal SIM card slot connected to M.2 B-key slot	
	Power Supply	12V-28V DC; 1* DC Jack (5.5* 2.5mm)	
	Other	1* 8-bit GPIO header with 4 inputs and 4 outputs, Input voltage range: 0-5V;	
<b>Extended Capabilities</b>	Additional Internal Interface	1* Half Size PCIe16 slot (Suggest the PCIe card less than 25W Power) 1* M.2 2230 E-key slot (PCIe+USB2.0, support CNVi) 1* M.2 3042/3052 B-key slot (USB3.0/PCIe x1)	
<b>Environment</b>	Operating Temperature	-10 ~ 60 °C w/ 0.7m/s Airflow	
	Storage Temperature	-40 ~ 85 °C (-40~185 °F)	
	Relative Humidity	40 °C @ 10%~95%, Non-Condensing	
<b>Physical Characteristics</b>	Dimensions	290.3* 87.58* 186 mm (W* H* D)	
	Net Weight	3.9 KG	
<b>Regulation</b>	EMC	CE/FCC Class B, CCC	
	Safety	CE-LVD, RoHS, CCC	

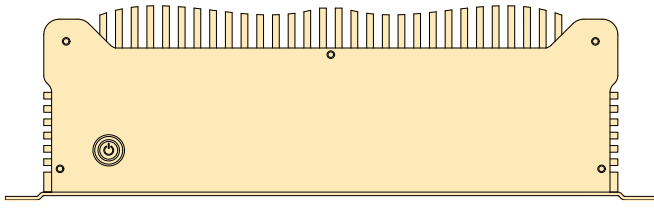
Dimension

Unit:mm

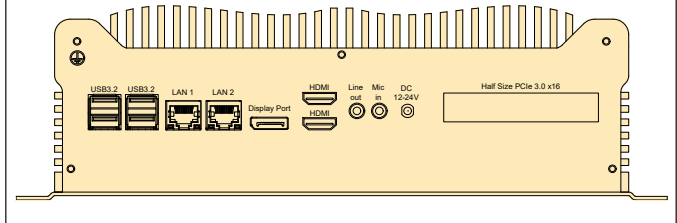


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Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Ordering Information

SO-DIMM Socket	M.2 M-key 2280	SATA	M.2 2230 E-key Slot	M.2 3042/3052 B-key Slot	Half Size PCIe3.0 x16	COM	2.5 GbE LAN	1.0 GbE LAN	
2	1	1	1	1	1	4	1	1	
USB3.2 Gen.2	USB3.2 Gen.1 Header	USB 3.0 Header	USB 2.0 Header	HDMI	Display Port	Internal SIM Card Slot	Line Out	Mic In	Power Supply
4	3	2	4	2	1	1	1	1	DC12-28V

Processors Info & Available List

CPU	Code Name	Total Cores	Total Threads	Max Turbo Frequency	Base Frequency	Cache	TDP	Memory Types	Integrated Graphics
Intel® Core™ I3-10100T	Comet Lake	4	8	3.80 GHz	3.00 GHz	6 MB Intel® Smart Cache	35 W	DDR4	Intel® UHD Graphics 630
Intel® Core™ I3-10100	Comet Lake	4	8	4.30 GHz	3.60 GHz	6 MB Intel® Smart Cache	65 W	DDR4	Intel® UHD Graphics 630
Intel® Core™ I5-10500T	Comet Lake	6	12	3.80 GHz	2.30 GHz	12 MB Intel® Smart Cache	35 W	DDR4	Intel® UHD Graphics 630
Intel® Core™ I5-10500	Comet Lake	6	12	4.50 GHz	3.10 GHz	12 MB Intel® Smart Cache	65 W	DDR4	Intel® UHD Graphics 630
Intel® Core™ I5-11500T	Rocket Lake	6	12	3.90 GHz	1.50 GHz	12 MB Intel® Smart Cache	35 W	DDR4	Intel® UHD Graphics 750, 32Eus
Intel® Core™ I5-11500	Rocket Lake	6	12	4.60 GHz	2.70 GHz	12 MB Intel® Smart Cache	65 W	DDR4	Intel® UHD Graphics 750, 32Eus
Intel® Core™ I7-10700T	Comet Lake	8	16	4.50 GHz	2.00 GHz	16 MB Intel® Smart Cache	35 W	DDR4	Intel® UHD Graphics 630
Intel® Core™ I7-10700	Comet Lake	8	16	4.80 GHz	2.90 GHz	16 MB Intel® Smart Cache	65 W	DDR4	Intel® UHD Graphics 630
Intel® Core™ I7-11700T	Rocket Lake	8	16	4.60 GHz	1.40 GHz	16 MB Intel® Smart Cache	35 W	DDR4	Intel® UHD Graphics 750, 32Eus
Intel® Core™ I7-11700	Rocket Lake	8	16	4.90 GHz	2.50 GHz	16 MB Intel® Smart Cache	65 W	DDR4	Intel® UHD Graphics 750, 32Eus

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## Packing list

Default Items	Qty
IBOX-603-2L4C-1P Unit	1
AC-to-DC Adapter	1
Power cable 3-pin 150cm	1

## Options for default items

Optional Items	Qty
Power cable 3-pin 150cm, USA type	-
Power cable 3-pin 150cm, EU type	-
Power cable 3-pin 150cm, UK type	-
Swappable Hard-Drive Bracket Kit	-

## Optional accessories or internal modules for unit

Optional Items	Max Qty	Description
AI Acceleration Card	4	26 TOPS, Connected by PCIe interface
4G Module	1	Connected by M.2 interface
5G Module	1	Connected by M.2 interface
WiFi Module without AP mode	1	Connected by M.2 interface
Dual channel CAN-Bus Module	4	Connected by PCIe interface
Fiber Ethernet Expansion Card	1	Connected by PCIe interface
Dual GbE PoE LAN Module	2	Connected by M.2 Interface
Quad GbE PoE LAN Module	1	Connected by PCIe Interface

!! Note: As this product has expansion slots, please consult sales for the specific maximum number of expandable interfaces.