

IBOX-205-4L2C2P



- Support up to new Intel® Iris® Xe graphics, the platform offers up to 2.95 times faster graphics performance
- When it works with Tiger Lake processor, the graphics, media, and display engine with up to two VDBOXes that can decode over 40 incoming video streams at 1080p and 30 frames per second.
- 11th Generation Intel Core processors optional with rich expansion slot offers strong scalability
- Full aluminum alloy anti-interference structure with modular parts design offers stronger system stability
- Fully enclosed with fanless cooling system and cable-free design for better vibration resistance
- Multiple mounting options available, DIN-Rail, Wall-Mount, Embedded



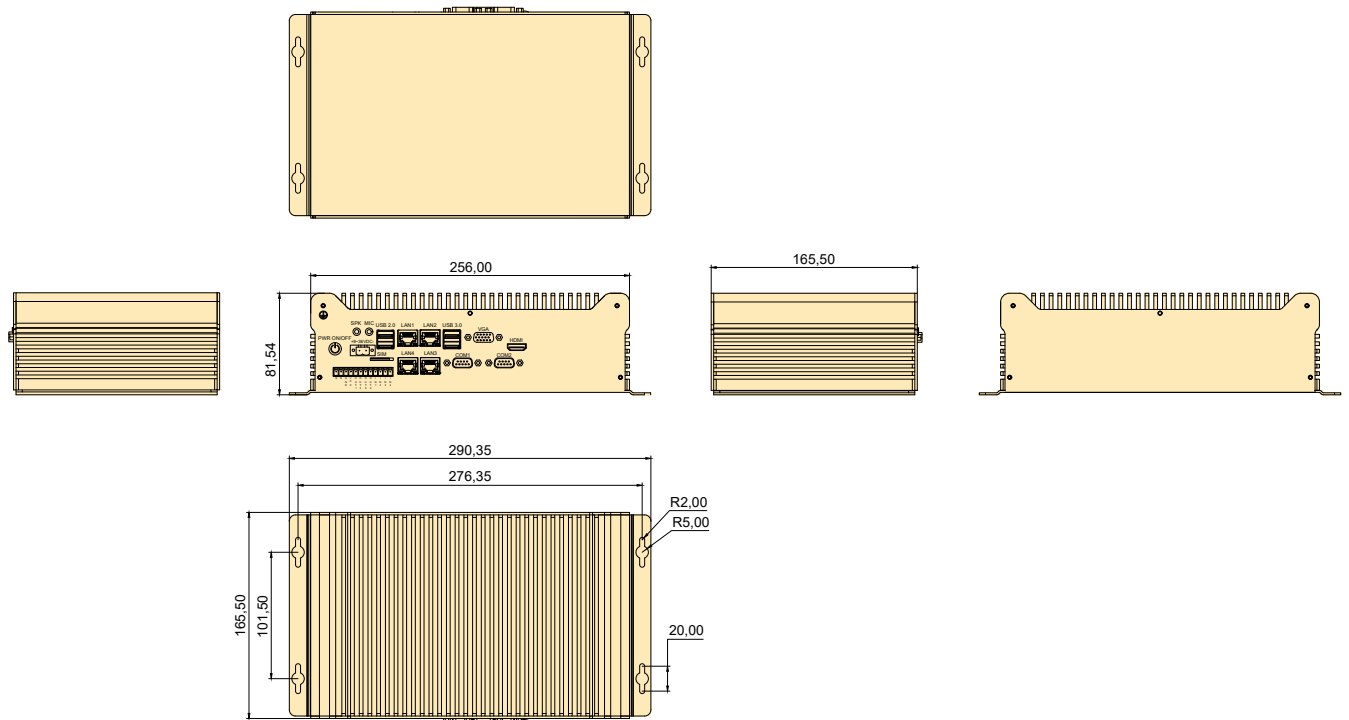
The actual appearance is subject to the final configuration.

Specifications

Model	IBOX-205-4L2C2P		
Supported OS	Win 7, Win 8, Win 10, Win11, Linux (Ubuntu, Debian, Kali, CentOS, etc.); WES 7; Win 10 IoT		
CPU	Series/ Model	11th Gen. Intel® Core™ Processor & Intel® Celeron® 6305E	8th Gen. Intel® Core™ Processor
	TDP	Up to 28W	Up to 15W
RAM	Type & Qty	2* SO-DIMM Socket	2* SO-DIMM Socket
	Frequency	DDR4-3200 MHz	DDR4-2133/2400 MHz
	Capacity	Up to 64GB	Up to 32GB
Storage Device	SATA	1* 2.5" SATA3.0 Bay on board (6Gb/s)	
	MSATA	1* mSATA3.0 slot on board (6Gb/s)	
I/O Interface	COM	2* Isolated COM with TVS protection (COM1-2, DB9 connectors, support RS232/485, switchable by BIOS)	
	Ethernt with PoE	2* 1.0 GbE PoE LAN, Intel i211, support IEEE802.3af (PSE, End-Span, RJ45/ M12 connector optional)	
	Ethernt without PoE	2* 2.5 GbE LAN, Intel i225, RJ45	2* 1.0 GbE LAN, Intel i211/i210, RJ45 only
	USB	2* USB3.0; 2* USB2.0; 1* Internal USB2.0;	4* USB3.0; 1* Internal USB 2.0; 2* USB2.0 header
	Video	1* HDMI, Support 4096x2304@60Hz; 1* VGA, Support 1920x1200@60Hz;	1* HDMI, Support 4096x2304@24Hz; 1* VGA, Support 1920x1200@60Hz;
	Audio	1* MIC, 1* SPK; With 7.1 channels HD Audio Codec Realtek ALC897	
	SIM	1* External SIM card slot connected to M.2 B-key slot;	
	Power Supply	9-36 VDC; 1* Terminal Block (2-Pin, 5.08mm)	
	Other	1* 8-bit GPIO (4-Inputs/4-Outputs, 0-5V Input Range) and 1* Remote Switch on Terminal Block (12-Pin, 3.81mm). 1* Auto-On Switch	
Extended Capabilities	Additional Internal Interface	1* Full Size Mini-PCIe (PCIe+USB2.0); 1* M.2 2230 E-key Slot (PCIe+USB2.0); 1* M.2 3052 B-key with SIM card slot (USB 3.0)	
Environment	Operating Temp.	-10 ~ 55 °C w/ 0.7m/s Airflow	
	Storage Temp.	-40 ~ 85 °C (-40~185 °F)	
	Relative Humidity	40 °C @ 95%, Non-Condensing	
Physical Characteristics	Dimensions	290.35* 81.54* 165.5 mm (W* H* D)	
	Net Weight	2.5 KG (The actual weight is subject to the final configuration)	
Regulation	EMC	CE/FCC Class B, CCC	
	Safety	CE-LVD, RoHS, CCC	

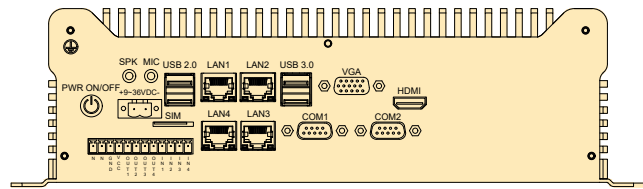
Dimension

Unit:mm

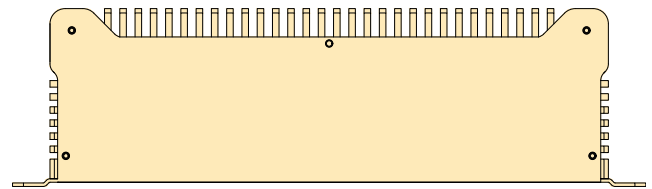


The actual appearance and dimensions are subject to the final configuration

Front Panel External I/O Mechanical Layout/Drawing



Rear Panel External I/O Mechanical Layout/Drawing



Ordering Information

SO-DIMM Socket	2.5" SATA3.0 Bay	mSATA3.0 Slot	M.2 3052 B-key Slot	M.2 2230 E-key Slot	Full Size Mini-PCle	RS232/485	GbE LAN Without PoE	GbE LAN With PoE
2	1	1	1	1	1	2	2	2
USB 3.0	Internal USB 2.0	HDMI	VGA	MicIn	LineOut	8-bit GPIO	External SIM Card Slot	Power Supply
4	1	1	1	1	1	1	1	9-36 VDC

Processors Info & Available List

CPU	Code Name	Total Cores	Total Threads	Max Turbo Frequency	Base Frequency	Cache	TDP	Memory Types	Integrated Graphics
Intel® Core™ i5-1135G7	Tiger Lake	4	8	4.20 GHz	2.40 GHz	8 MB Intel® Smart Cache	12-28W	DDR4	Intel® Iris® Xe Graphics; 80Eus
Intel® Core™ i7-1195G7	Tiger Lake	4	8	5.00 GHz	2.90 GHz	12 MB Intel® Smart Cache	12-28W	DDR4	Intel® Iris® Xe Graphics eligible; 96Eus
Intel® Core™ i3-8145U	Whiskey Lake	2	4	3.90 GHz	2.10 GHz	4 MB Intel® Smart Cache	15W	DDR4	Intel® UHD Graphics 620
Intel® Core™ i5-8260U	Whiskey Lake	4	8	3.90 GHz	1.60 GHz	6 MB Intel® Smart Cache	15W	DDR4	Intel® UHD Graphics 620
Intel® Core™ i7-8565U	Whiskey Lake	4	8	4.60 GHz	1.80 GHz	8 MB Intel® Smart Cache	15W	DDR4	Intel® UHD Graphics 620

All products and company name listed are trademarks or trade names of their respective companies.

Packing list

Default Items	Qty
IBOX-205-4L2C2P 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	-

Optional accessories or internal modules for unit

Optional Items	Max Qty	Description
Isolated 8-bit GPIO, 9-24V	1	Phoenix Terminal connector, connected by non-standard M.2 interface
Isolated 8-bit GPIO with current loading, 9-26V	1	Digital signal, Phoenix Terminal connector, connected by non-standard M.2 interface
Isolated RS-232	2	DB9 or Phoenix Terminal connector, connected by header
Non-Isolated RS-232	2	DB9 or Phoenix Terminal connector, connected by header
RS-422 With Surge Protection	2	DB9 or Phoenix Terminal connector, connected by header, with additional RS232 TO RS422 Module
RS-485 With Surge Protection	2	DB9 or Phoenix Terminal connector, connected by header
4G Module	1	Connected by M.2 or Mini-PCle interface
5G Module	1	Connected by M.2 interface
WiFi Module without AP mode	1	Connected by M.2 interface or Mini-PCle interface
WiFi Module with AP mode	1	Connected by Mini-PCle interface
Dual channel CAN-Bus Module	1	Connected by Mini-PCle interface
Ignition Switch Module	1	Phoenix Terminal connector, connected by internal power switch and 4-pin ATX power connector

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