

IBOX-105V3-8L2C6P



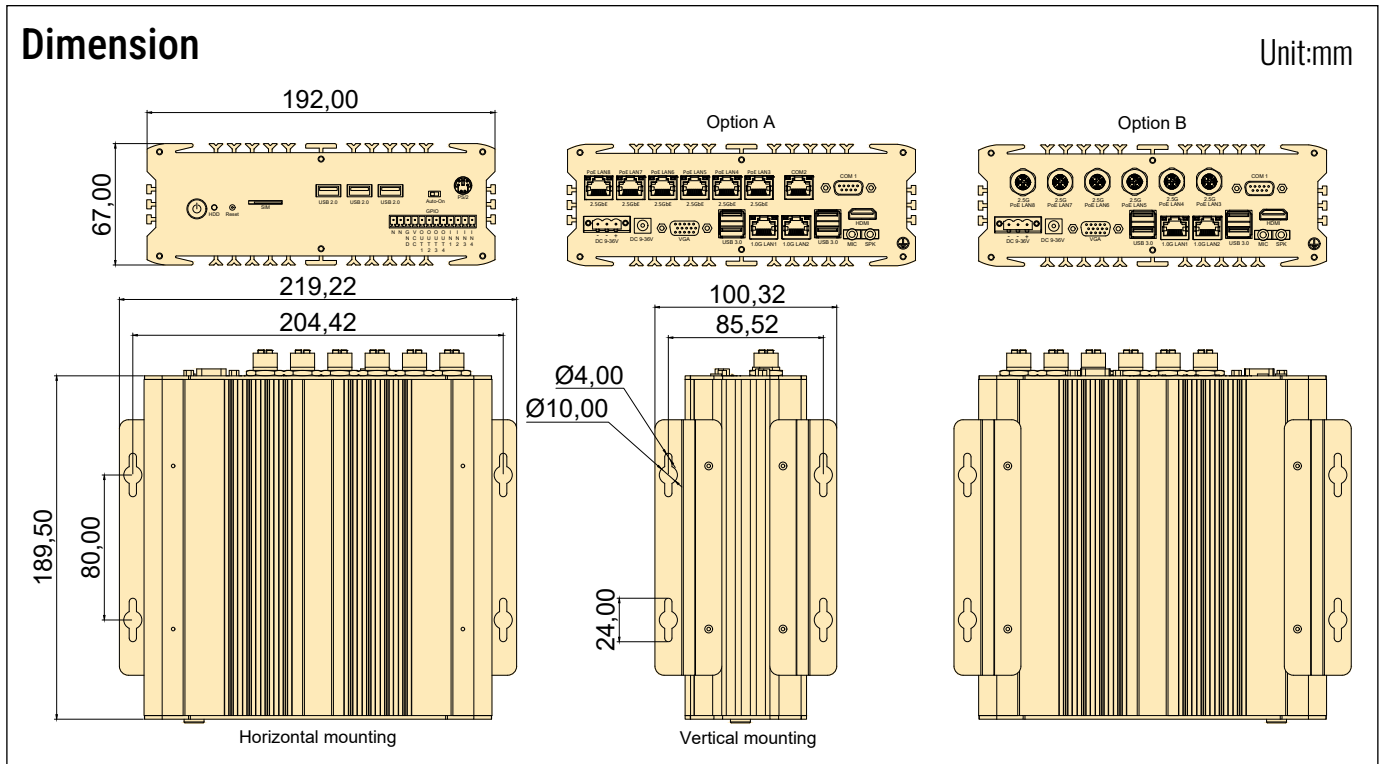
- Support up to new Intel® Iris® Xe graphics, the platform offers up to 2.95 times faster graphics performance
- 8-11th Generation Intel Core processors optional with rich expansion slot offers strong scalability
- When it works with Tiger Lake processor, the graphics, media, and display engine with up to two VBOXes that can decode over 40 incoming video streams at 1080p and 30 frames per second.
- Eight Gigabit LAN comes with 6 support PoE protocol IEEE802.3af
- 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



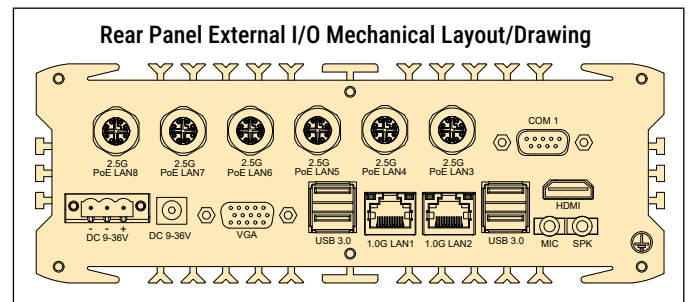
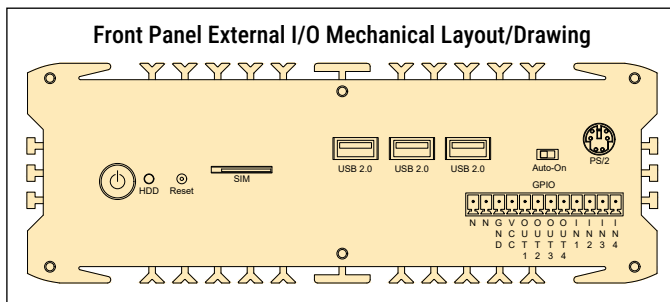
The actual appearance is subject to the final configuration.

Specifications

Model	IBOX-105V3-8L2C6P (IBOX-105V3-8L2C6P-RJ45, With 6* RJ45 PoE LAN; IBOX-105V3-8L2C6P-M12, With 6* M12 PoE LAN)		
Supported OS	Win7 x64, Win 10 (Version 1809 and above), Win 11, Linux (Kernel 5.16 and above); WES 7; Win 10 IoT		
CPU	Series/ Model	8th Gen. Intel® Core™ Processor	11th Gen. Intel® Core™ Processor
	TDP	Up to 15W	Up to 28W
RAM	Type & Qty	2* SO-DIMM Socket	2* SO-DIMM Socket
	Frequency	DDR4-2133/2400 MHz	DDR4-3200 MHz
	Capacity	Up to 32GB	Up to 64GB
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	IBOX-105V3-8L2C6P-RJ45, 1* RS232/485 with RJ45 connector, 1* RS232/485 with DB9 connector, switchable by jumper; IBOX-105V3-8L2C6P-M12, 1* RS232/485 with DB9 connector, switchable by jumper, 1* RS232 header	
	Ethernet with PoE	6* Intel® i226 GbE PoE LAN (RJ45/M12 Connector);	
	Ethernet without PoE	2* 1.0 GbE LAN, Intel i211, RJ45	2* 2.5 GbE LAN, Intel i225, RJ45
	USB	4* USB3.0; 3* USB2.0; 1* Internal USB 2.0	
	Video	1* HDMI, support 4096x2304@24Hz; 1* VGA, support 1920x1200@60Hz;	
	Audio	1* MIC, 1* SPK; With 5.1 channels HD Audio Codec Realtek ALC662	
	SIM	1* External SIM card slot connected to Mini-PCIe	
	Power Supply	9-36V DC; 1* Terminal Block (3-Pin, 5.08mm), 1* DC Jack (5.5* 2.5mm)	
	Others	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; 1* PS/2 for Keyboard & Mouse;	
Extended Capabilities	Additional Internal Interface	1* Full Size Mini-PCIe with SIM card slot; (PCIe+USB2.0, PCIe signal is shared with 1*LAN)	
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	192* 67* 189.5 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	



The actual appearance and dimensions are subject to the final configuration



Ordering Information

SO-DIMM Slot	2.5" SATA3.0 Bay	mSATA3.0 Slot	Full Size Mini-PCle	COM	2.5GbE PoE LAN	1.0GbE LAN	USB 3.0	USB 2.0	Internal USB2.0
2	1	1	1	1 or 2	6	2	4	3	1
HDMI	VGA	Mic	SPK	PS/2	External SIM Card Slot	8-bit GPIO	Remote Switch Terminal	Power Supply	
1	1	1	1	1	1	1	1	DC 9-36V	

Processors Info & Available List

CPU	Code Name	Total Cores	Total Threads	Max Turbo Frequency	Base Frequency	Cache	TDP	Memory Types	Integrated Graphics
Intel® Core™ i3-8145U	Whiskey Lake	2	4	3.90 GHz	2.10 GHz	4 MB Intel® Smart Cache	15W	DDR4	Intel® UHD Graphics 620
Intel® Core™ i5-8265U	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
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

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Packing list

Default Items	Qty
IBOX-105V3-8L2C6P Unit	1
Wall mounting bracket	2
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	-
VESA mount kits	-
DIN Rail mount kits	-
External Fan Kit For 11th Gen. Solution	-

Optional accessories or internal modules for unit

Optional Items	Max Qty	Description
AI Acceleration Card	1	13 TOPS, Connected by Mini-PCIe interface
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 15-bit GPIO, 0-5V	1	Digital signal, Phoenix Terminal connector, connected by non-standard M.2 interface
Isolated 15-bit GPIO with 7-in & 8-out, 12-24V	1	Digital signal, Phoenix Terminal connector, connected by non-standard M.2 interface
4G Module	1	Connected by Mini-PCIe interface
WiFi Module without AP mode	1	Connected by Mini-PCIe interface or Internal USB
WiFi Module with AP mode	1	Connected by Mini-PCIe interface
Dual channel CAN-Bus Module	1	Connected by Mini-PCIe interface

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