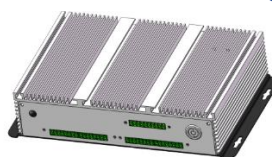


IPC-V1-8CH-8IO-A1-{X}-{Y}-{Z}



- Using the Intel® 8th Generation Core i5 SOC high-performance processor, empowering the visual industry.
- Onboard 5 Intel Gigabit network cards, with 4 of them supporting Power over Ethernet (POE).
- Integrated with multiple network ports, light sources, I/O, and other functions, focusing on applications in the visual industry.
- Equipped with 8 light source modules, 12V/24V output, and support for both software-trigger and external-trigger modes.
- Equipped with 8 channels of Digital Input and Digital Output modules, supporting 12-24V switchable.
- Fully sealed design, aluminium alloy heat dissipation shell, dustproof, shockproof, and interference-resistant.

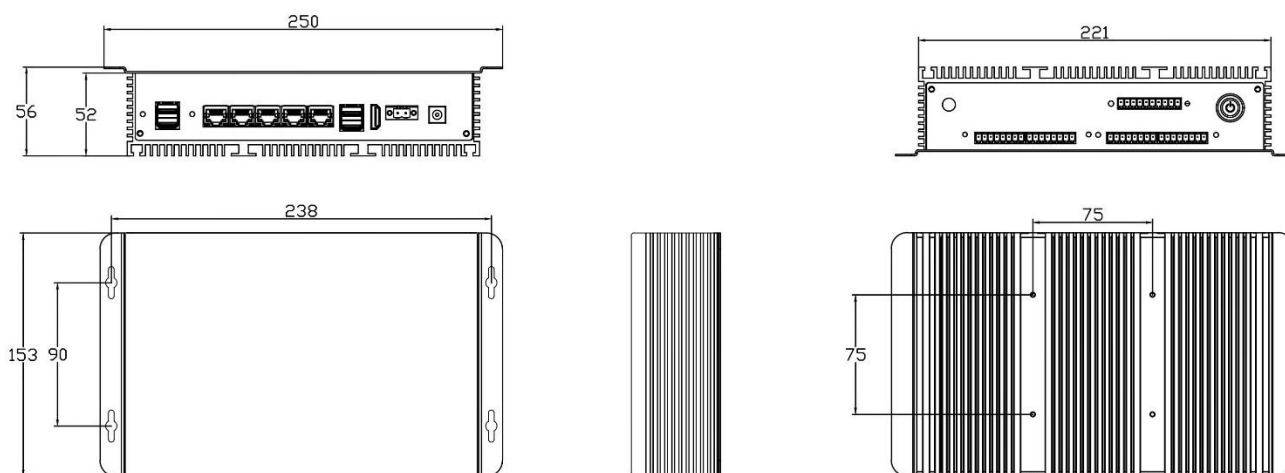
Industrial Personal Computer (IPC) Specifications

Model	IPC-V1-8CH-8IO-A1	
Operating System	Windows 10 IOT Enterprise	
CPU	Model	Intel® Core™ i5-8260U Processor
	Frequency	1.60 GHz
	Cores	4
	TDP	Up to 15W
GPU	Model	Intel® UHD Graphics 620
	Frequency	300 MHz
Memory	Frequency	DDR4-2133/2400 MHz
	Capacity	8GB
Storage	Type	Solid State Drive
	Capacity	128GB
	Ethernet with POE	4* 1.0 Gbe Poe LAN, Intel I211, Support IEEE802.3af
	Ethernet Without PoE	1* 1.0 Gbe LAN, Intel I211
	WIFI	Embedded on Board
	USB	2* USB3.0, 2* USB2.0
	Video	1* HDMI, Support 4096x2304@24Hz
	Power Supply	24V 5A; 1* Terminal Block; 1* DC Plug Connector
	Lighting	8 Channels (24V 1A/Channel) 8 Strobe Input Trigger
	GPIO	8* GPIO (4 Inputs / 4 Outputs) 12V-24V
Environment	Operating Temperature	-10 ~ 55 °C w/ 0.7 m/s Airflow
	Storage Temperature	-40 ~ 85 °C (-40~185 °F)
	Relative Humidity	40 °C @ 95%, Non-Condensing
Physical Characteristics	Dimensions	250 x 153 x 55.74
Regulation	EMC	CE/FCC Class B, CCC
	Safety	CE-LVD, RoHS, CCC

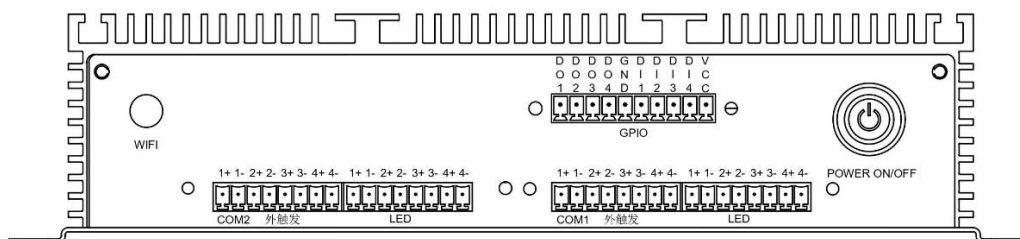
Lighting Controller Specifications

Model		Built-In Controller
Power	Controller Supply Voltage	12V / 24VDC
	Lighting Output Voltage	12V / 24VDC
	Lighting Output Current	1A / Channel
Functions	Mode	Constant, Strobe & Trigger
	Number of Channels	8 Channels
	Intensity Multiplier Steps	1 – 10 (1/step)
	Intensity Steps	0 – 255 (1/step)
GPIO	Number of Input	8 Strobing Inputs
	Number of Output	2 Shared Output
	Strobe Timing	0.01ms – 99.99ms (0.01ms / step)
	Trigger Delay	< 25us

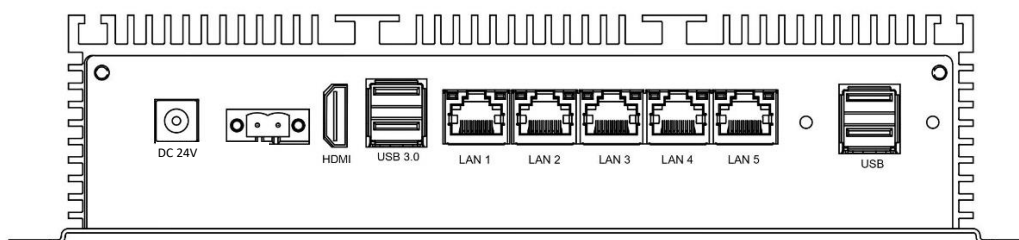
Industrial Personal Computer (IPC) Dimension Layout



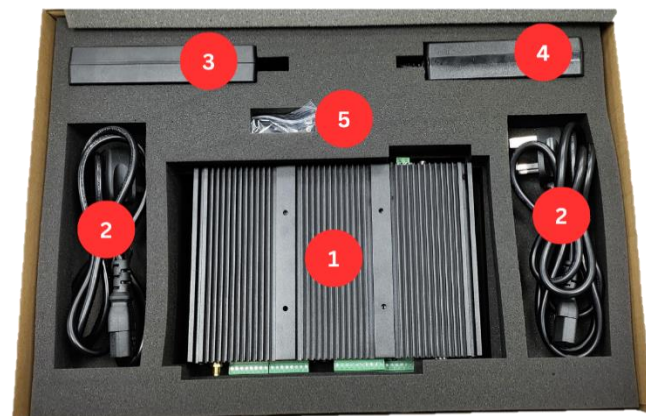
Front panel external I/O interface diagram



Rear panel external I/O interface diagram



Packaging List



No.	Items	Quantity
1	IPC-V1-8CH-8IO-A1	1
2	Power Cord – EU/US/UK (1.8 Meter)	2
3	AC to DC Power Adapter – 12V/24V 3.3A/5A	1
4	AC to DC Power Adapter – 24V 5A (For IPC)	1
5	WIFI Antenna	1

Product Naming Conventions

IPC-V1-8CH-8IO-A1-{X}-{Y}-{Z}

① - ② - ③ - ④ - ⑤ - ⑥ - ⑦ - ⑧

- ① Industrial Personal Computer
- ② Version 1
- ③ 8 Lighting Channels
- ④ 8 General Purpose Input Output (4 Inputs, 4 Outputs)
- ⑤ 1 Ampere / Lighting Channel
- ⑥ Power Adapter Voltage: 12V / 24V
- ⑦ Power Adapter Current: 3.3A / 5A
- ⑧ Power Cord Type: UK / US / EU

Power Cord Type (*For Reference Purpose Only*)

Power Cord - UK	Power Cord - US	Power Cord - EU
		