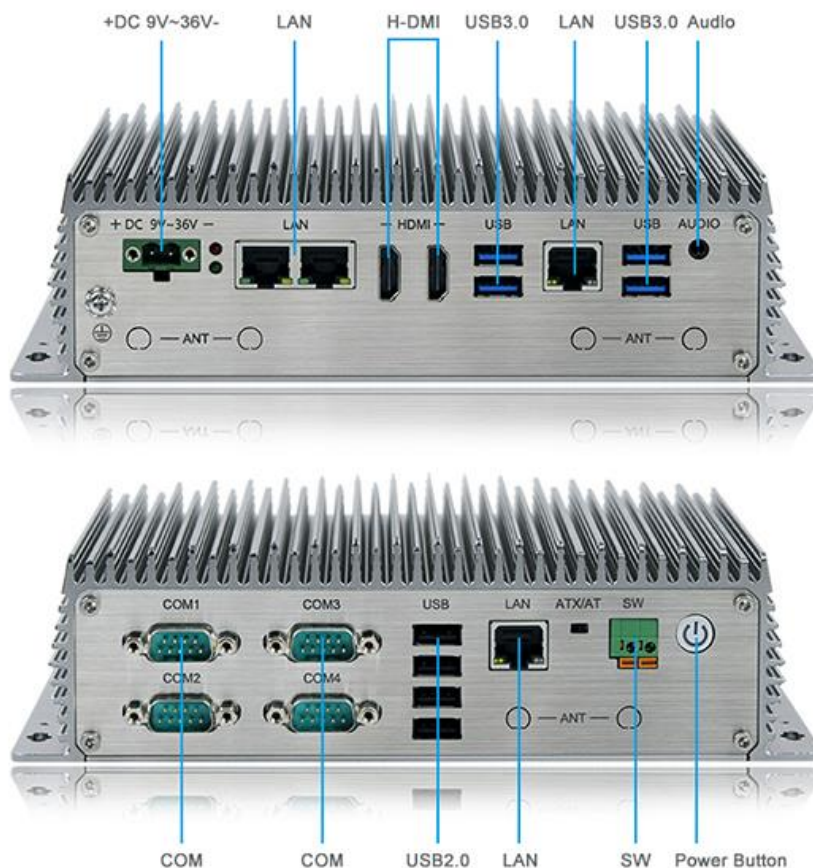


# IPCI-IA-Series: INDUSTRIAL Box PC

## Product Features

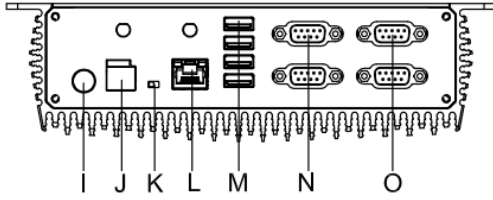
- Intel Core i3 1215U
- Intel Core i5 1235U
- Intel Core i7 1255U
- 4 - 64GB DDR5 RAM
- 2 x 2.5Gb-LAN / 1 x 1Gb-LAN
- 2 x COM (RS-232) / 2 x COM (RS-232 / 422 / 485)
- 4 x USB3.2 Gen2 / 4 x USB2.0
- Aluminium housing, fanless
- Operating Temp. -30°C to 70°C
- Input voltage range 9~36VDC
- Optional: WLAN, BT, 4G



Specifications

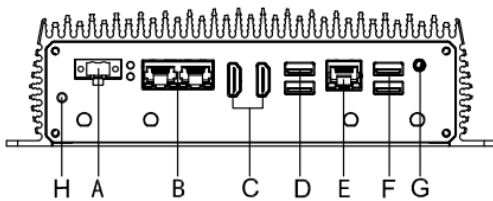
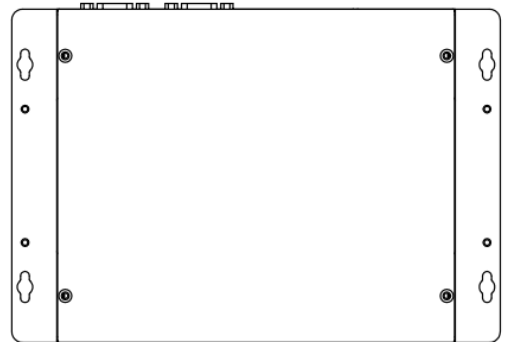
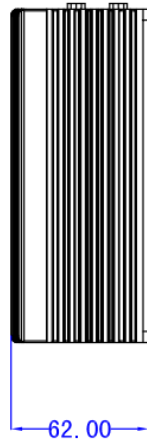
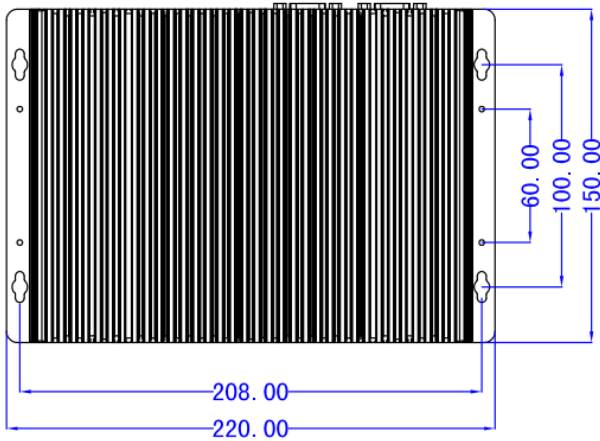
System			
CPU	12th Gen Intel Core i3-1215U	12th Gen Intel Core i5-1235U	12th Gen Intel Core i7-1255U
L2 Cache	10MB	12MB	12MB
TDP	15W	15W	15W
Graphics	Intel® UHD Graphics	Intel® Iris® Xe Graphics	Intel® Iris® Xe Graphics
System Chipset	Integrated with Intel® SoC		
Memory	DDR5 4800 MHz, Dual Channel SODIMM x 2, up to 64GB		
Harddisk	1 x M.2 120G SSD ( 250G / 500G / 2TB SSD) / 1 x 2.5" SATA		
Network	Intel® 226-V / I219-LM GbE LAN		
Audio	Realtek ALC897 Audio controller		
TPM	TPM 2.0		
Watchdog Timer	Software Programmable Supports 1~255 sec. System Reset		
Operation System	Windows 10 / 11, Linux, Ubuntu		
I / O			
VIDEO	2 x HDMI		
Ethernet	3 x 2.5GbE / 1 x 1GbE		
USB	4 x USB 2.0 / 4 x USB 3.2 Gen2		
COM	2 x RS-232 / 2 x RS-232 / 422 / 485 ( Adjustable through BIOS )		
Audio	1x Audio_out & Mic_in		
Expansion			
M.2	1 x M.2 ( Key-E, 2230, PCIe+USB, Wifi+BT )		
	1 x M.2 ( Key-B, 2242/3052, PCIe/ USB 3.0+USB2.0, 4G/5G )		
	1 x M.2 ( Key-M, 2280, PCIe x4 NVMe/ SATA, SSD )		
SIM Socket	1 x SIM Socket		
Power			
Power Adapter	1 x Optional AC/DC 12V/5A , 60W		
Power Mode	Support AT, ATX Mode		
Power Input	2-pin Terminal Block Connector with Power Input 9~36VDC		
Power Protection	OVP (Over Voltage Protection)   OCP (Over Current Protection)   RPP (Reverse Polarity Protection)		
Power Consumption	≤45W		
Physical			
Material	Aluminum Alloy Shell		
Color	Grey / Silver / Black		
Mounting	208 x 100 mm / 208 x 60 mm		
Product Dimension	220 x 150 x 62 mm		
Packing Size	360 x 180 x 320 mm		
Weight (Net)	1.7 KG		
Environment			
Operating Temperature	-30~70°C ( -22~158°F )		
Storage Temperature	-40~85°C (-40~185°F)		
Relative Humidity	10% to 95% (non-condensing)		
Vibration Protection	1.5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis		
EMC	CE, FCC, Class A, ROHS		

**Dimensions**



I/O Definition:

- I: Power Button
- J: Extension Switch
- K: AT/ATX
- L: LAN
- M: 4xUSB2.0
- N: COM3/COM4
- O: COM1/COM2



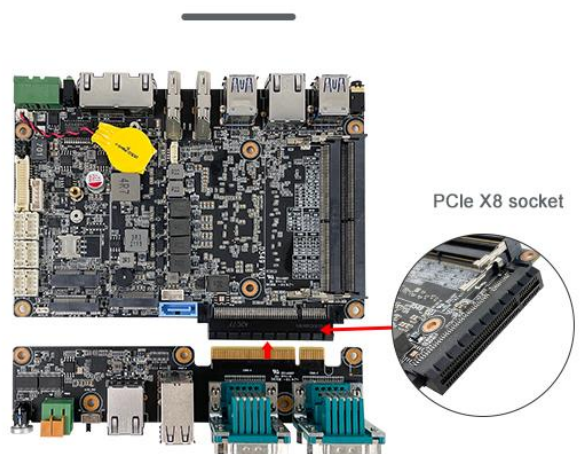
I/O Definition:

- A: DC 9V-36V
- B: 2xLAN
- C: H-DMI
- D: 2xUSB3.0
- E: LAN
- F: 2xUSB3.0
- G: Audio
- H: GND

**SATA Installation**



**PCIe X8 socket design**



- Memory:** DDR5 4800 MHz, Dual Channel SODIMM x 2, up to 64GB
- Harddisk:** 1 x M.2 120G SSD ( 250G / 500G / 2TB SSD) / 1 x 2.5" SATA
- Operation System:** Windows 10 / 11, Linux, Ubuntu