

IPCI-IA-Series: INDUSTRIAL Box PC

Product Features

- Intel Atom X6425E
- Intel Celeron J6412
- 4 - 32GB DDR4L RAM
- 3 x 2.5Gb-LAN
- 6 x COM
- 6 x USB2.0
- 4 x USB3.0
- Aluminium housing, fanless
- Operating Temp. -30°C to 70°C
- Input voltage range 9~36VDC
- Optional: WLAN, BT, 4G



- 1 x DP / 1 x HD-MI
- 3 x LAN (10/100/1000/2500 Mbps)
- 6 x USB2.0 / 4 x USB3.0
- 2 x RS-232 / 4 x RS-232 / 422 / 485
- DIO 8 Bits (4 In / 4 Out) Optional

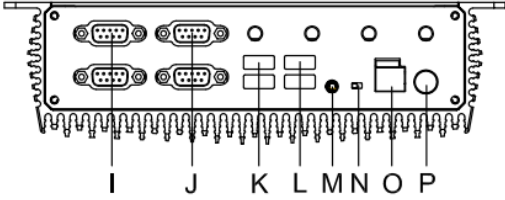


Connecting the case to the ground

Specifications

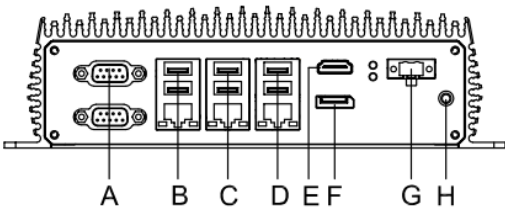
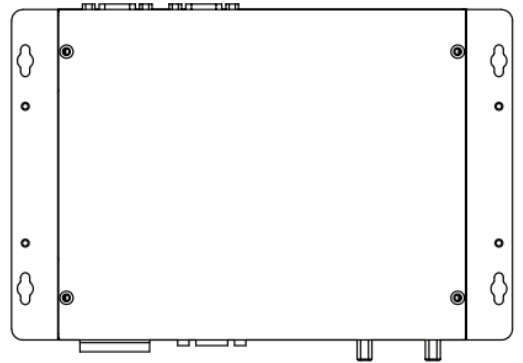
System		
CPU	Intel Atom X6425E	Intel Celeron J6412
L2 Cache	1,5MB	1,5MB
TDP	10W	10W
Graphics	Intel UHD Graphics	
System Chipset	Integrated with Intel SoC	
Memory	DDR4L 3200MHz 4GB, MAX 32GB	
Harddisk	1 x M.2 120G SSD (250G / 500G / 2TB SSD) / 1 x 2.5" SATA	
Network	Intel 226-V / I219-LM GbE LAN	
Audio	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	1 x DP / 1 x HDMI	
Ethernet	3 x 2.5GbE	
USB	6 x USB2.0 / 4 x USB3.0	
COM	2 x RS-232 / 4 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)	
Expansion	1 x mPCe	
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	≤30W	
Physical		
Material	Aluminum Alloy Shell	
Color	Grey / Silver / Black	
Mounting	208 x 100 mm / 208 x 60 mm	
Product Dimension	220 x 145 x 62 mm	
Packing Size	360 x 180 x 320 mm	
Weight (Net)	1.5 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: COM3 / COM4 | J: COM5 / COM6 |
| K: 2 x USB | L: 2 x USB |
| M: AUDIO | N: AT/ATX |
| O: Extension Switch | P: Power Button |



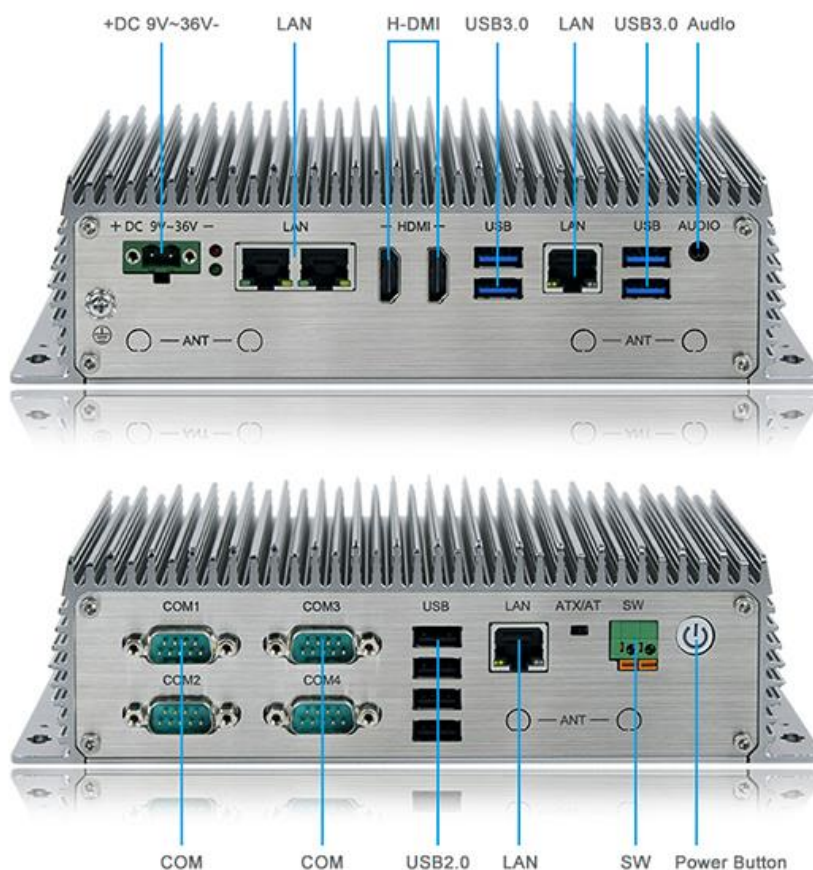
I/O Definition:

- | | |
|---------------------|---------------------|
| A: COM1 / COM2 | B: 2 x USB3.0 / LAN |
| C: 2 x USB3.0 / LAN | D: 2 x USB2.0 / LAN |
| E: H-DMI | F: DP |
| G: DC 9V-36V | H: GND |

IPCI-IA-Series: INDUSTRIAL Box PC

Product Features

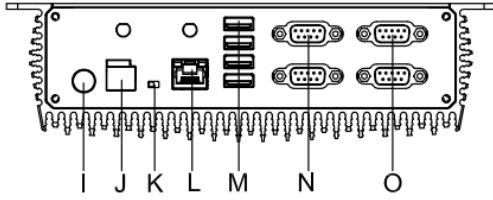
- Intel Core i3 1215U
- Intel Core i5 1235U
- Intel Core i7 1255U
- 4 - 64GB DDR5 RAM
- 2 x 2.5Gb-LAN / 1 x 1Gb-LAN
- 2 x COM (RS-232) / 2 x COM (RS-232 / 422 / 485)
- 4 x USB3.2 Gen2 / 4 x USB2.0
- Aluminium housing, fanless
- Operating Temp. -30°C to 70°C
- Input voltage range 9~36VDC
- Optional: WLAN,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



Specifications

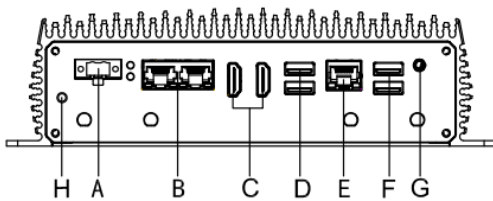
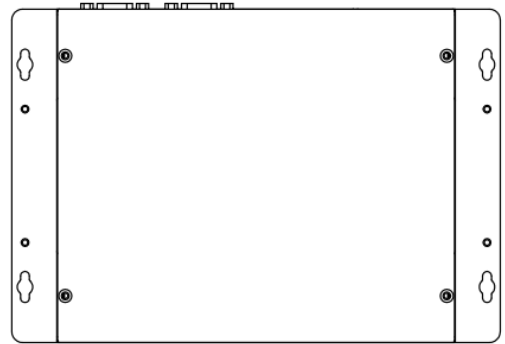
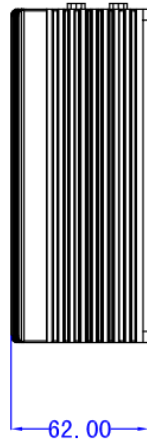
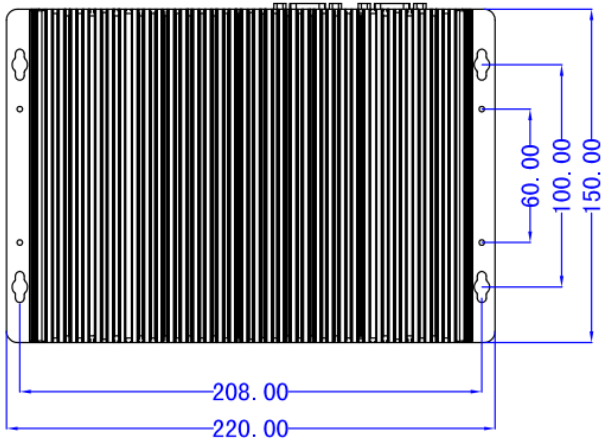
System			
CPU	12th Gen Intel Core i3-1215U	12th Gen Intel Core i5-1235U	12th Gen Intel Core i7-1255U
L2 Cache	10MB	12MB	12MB
TDP	15W	15W	15W
Graphics	Intel® UHD Graphics	Intel® Iris® Xe Graphics	Intel® Iris® Xe Graphics
System Chipset	Integrated with Intel® SoC		
Memory	DDR5 4800 MHz, Dual Channel SODIMM 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)		
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Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) RPP (Reverse Polarity Protection)		
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Material	Aluminum Alloy Shell		
Color	Grey / Silver / Black		
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Product Dimension	220 x 150 x 62 mm		
Packing Size	360 x 180 x 320 mm		
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EMC	CE, FCC, Class A, ROHS		

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I/O Definition:

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



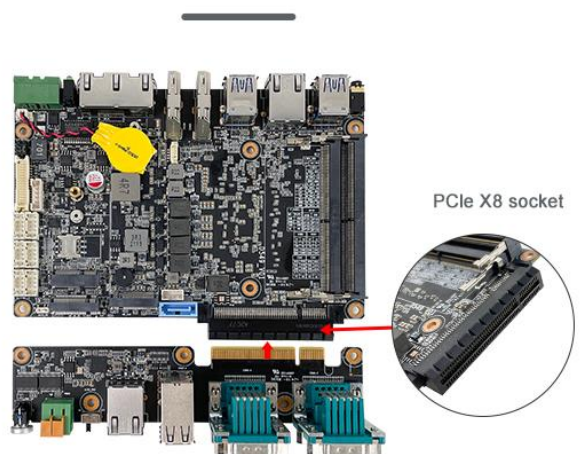
I/O Definition:

- 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