



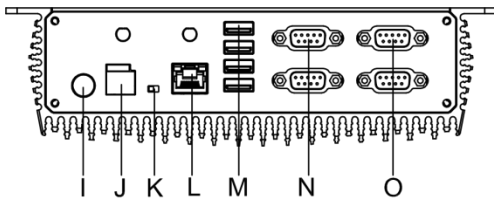
FEATURES

- Intel® Alder Lake Core i3-1215U/i5-1235U/i7-1255U(optional)
- 1x DDR5 4800 MHz, Dual Channel SODIMM x 2, up to 64GB
- 3x 2.5GbE/1x 1GbE supporting Wake-on-LAN and PXE
- 4 x COM (2 x RS232/RS422/RS485) 1*WiFi / Bluetooth/4G/5G optional
- Encryption onboard TPM2.0 module supported
- Wide voltage DC 9V~36V, with overcurrent
- -20°C ~70°C extended operating temperature

SPECIFICATIONS

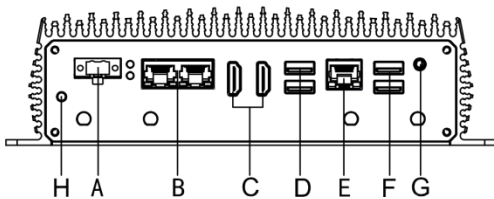
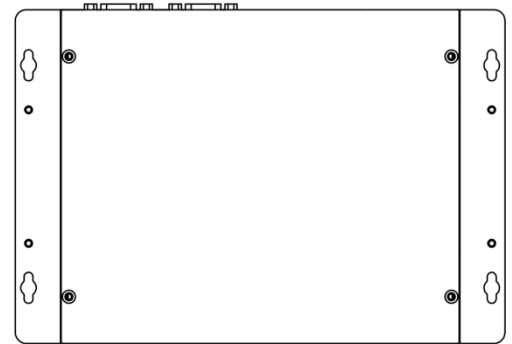
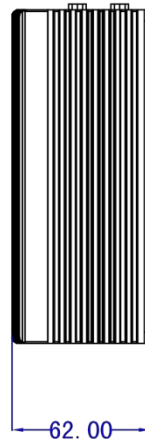
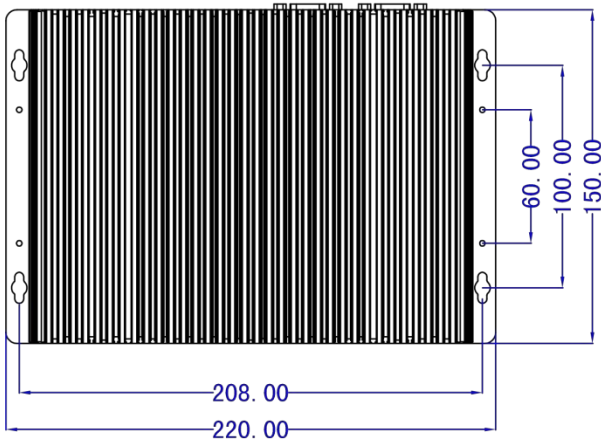
System		Power	
CPU	Intel® Alder Lake Core i3-1215U 1.2GHz / i5-1235U 1.3GHz / i7-1255U 1.7GHz	Power Adapter	1 x Optional AC/DC 12V/4A , 48W
L3 Cache	10MB/12MB	Power Mode	Support AT, ATX Mode
System Chipset	Integrated with Intel® SoC	Power Input	2-pin Terminal Block Connector with Power Input 9~36VDC
Memory	DDR5 4800 MHz, Dual Channel SODIMM x 2, up to 64GB	Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) RPP (Reverse Polarity Protection)
Harddisk	1 x M.2 120G SSD (250G / 500G / 2TB SSD) / 1 x 2.5" SATA	Power Consumption	≤35W
Graphics	Intel® Iris® Xe Graphics	Physical	
Network	Intel® 225-V / I219-LM GbE LAN	Material	Aluminum Alloy Shell
Audio	Realtek ALC897 Audio controller	Color	Grey / Silver / Black (optional)
TPM	TPM 2.0	Mounting	208 x 100 mm / 208 x 60 mm
Watchdog Timer	Software Programmable Supports 1~255 sec. System Reset	Product Dimension	220 x 150 x 62 mm
Operation System	Windows 10 / 11, Linux, Ubuntu	Packing Size	360 x 180 x 320 mm
I / O		Weight (Net)	1.7 KG
		Environment	
HD-MI	2 x HD-MI	Operating Temperature	-20~70°C (-4~158 °F)
LAN	3 x 2.5GbE / 1x 1GbE	Storage Temperature	-30~80°C (-22~176°F)
USB	4 x USB 2.0 / 4 x USB 3.2 Gen2	Relative Humidity	5%~95%@40°C, non-condensing
COM	2 x RS-232 / 2 x RS-232 / 422 / 485	Vibration Range	1.5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
Audio	1x Audio_out & Mic_in		
Expansion		EMC	CE, FCC, ROHS
M.2	1*M.2 (Key-E, 2230, PCIe+USB, Wifi+BT)		
	1*M.2 (Key-B, 2242/3052, PCIe/ USB 3.0+USB2.0, 4G/5G)		
	1*M.2 (Key-M, 2280, PCIe x2 NVMe/ SATA, SSD)		
SIM Socket	1x SIM Socket		

Dimension & I/O



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

ORDERING INFORMATION

PACKING LIST

1x Embedded Computer

1xUtility DVD Driver

1x Power Adaptor

AVAILABLE MODELS

MODELNO	DESCRLPTION
ALPHA-IN12-i3	Compact Fanless Embedded Computer with Intel Core i3-1215U 1.2GHz Processor
ALPHA-IN12-i5	Compact Fanless Embedded Computer with Intel Core i5-1235U 1.3GHz Processor
ALPHA-IN12-i7	Compact Fanless Embedded Computer with Intel Core i7-1255U 1.7GHz Processor