

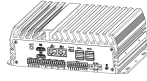
Embedded Industrial Computer

IEXP-522

12th Gen Intel Alder Lake-U series ten core processor



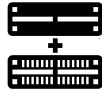
Features:



All-aluminum alloy structure, fanless cooling design



1*DDR5 4800MHz SODIMM slot, max 32GB



2 x M.2 slot+1 x Mini PCIe slot
(support M.2 SSD+WIFI+4G at same time)



Multi-LAN

1 x Intel i226-V 2.5G Ethernet
1 x Intel i226-LM 2.5G Ethernet



Triple Display

2 x HDMI+1 x Type-C Triple display port



USB 3.0

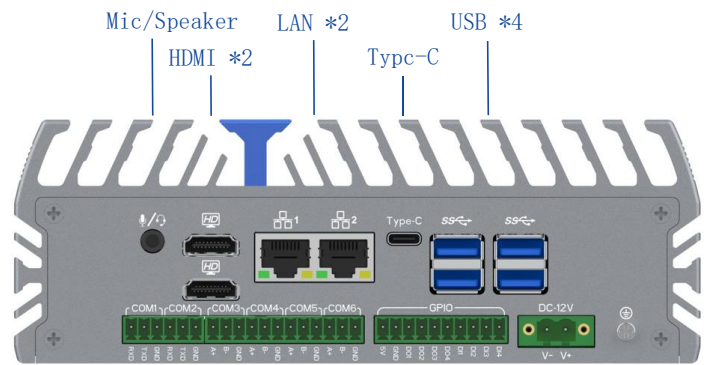
4 x USB3.0, 2 x USB2.0



USB *2

POWER

Phoenix terminal for switch signal



Mic/Speaker

HDMI *2

LAN *2

USB *4

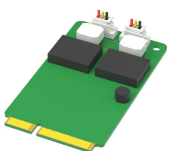
Typc-C

COM *6

GPIO

DC_IN

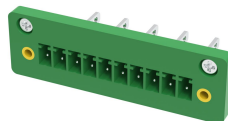
Optional Extensions



CAN



COM



GPIO



4G



WiFi/Bluetooth

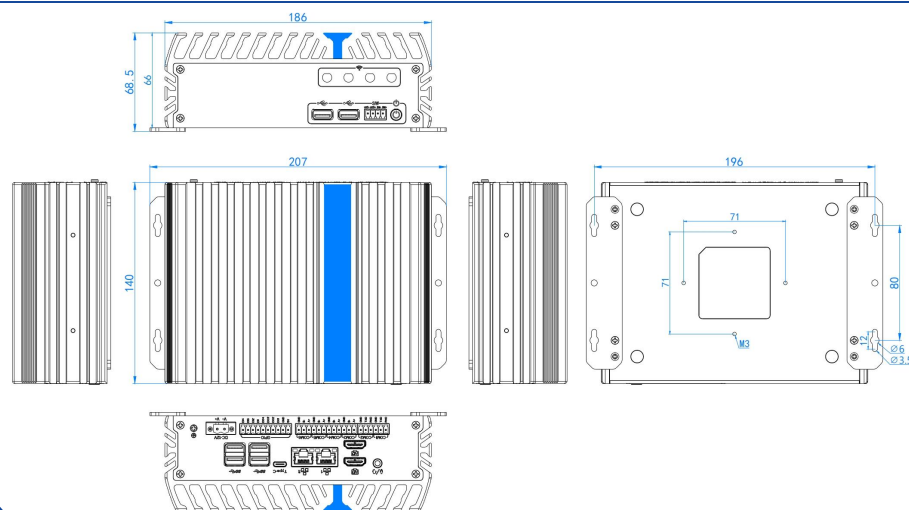
Specification

Parameter	
Processor	Intel i5-1235U (ten core twelve thread, 4.4 GHz) Intel i7-1255U (ten core twelve thread, 4.7 GHz)
Chipset	Alder Lake-N
Memory	1*DDR5 4800MHz SODIMM slot, max 32 GB
Graphics Card	
Graphics Card	Intel(R) UHD Graphics (triple display)
Display port	2 x HDMI (Resolution up to 3840 x 2160 @60Hz) 1 x Type-C (Resolution up to 3840 x 2160 @60Hz)
Ethernet	
Internet port	1 x Intel i226-V 2.5G Ethernet 1 x Intel i226-LM 2.5G Ethernet
I/O	
USB	4 x USB3.0, 2 x USB2.0
COM	6 COM (COM1, 2 default RS232, COM3-6 default RS485)
Audio	1 x Line-out/Mic-in, two in one audio
Power supply	
Power Input	1 x 2-pin power supply Phoenix terminal, DC 12V input

Storage	
M.2	1 x M.2 2280 M-key slot (support NVME SSD, PCIE X4)
SATA	1 x 2.5 inch HDD/SSD slot
Expansion	
M.2	1 x M.2 2230 E-key slot(support WiFi / BT)
Mini PCIE	1 x full length Mini PCIE slot (PCIE&USB2.0 protocol, 4G/WIFI/BT optional) , inside Nano-SIM slot
Dimension	
Dimension	186 * 140 * 66 mm
Weight	X kg
Installation	VESA, Wall-mounted, Din-rail (optional)
Environmental	
Temperature	-20℃ ~ +60℃, Surface air flow
Humidity	5% ~ 95% Non-condensing state
Other Function	Power on when there is electricity, network wake up timed startup, PXE startup (0 ~ 255level) ,TPM2.0
Application	Industrial automation, medical, transportation, logistics, warehousing, e-education.,etc

Drawing

unit (mm)



Order Information

Order configuration	Spec
Config 1	Intel Core i5-1235U, 2 x LAN / 6 x COM / 6 x USB
Config 2	Intel Core i7-1255U, 2 x LAN / 6 x COM / 6 x USB

包装清单

Parts Name	Quantity	Parts Spec
Power Adapter	1	12V 7.5A
Power cord	1	CN、US、UK、EU., etc(Optional)
VESA	1	"SMATIPC" trade mark