

IEXP-312

12th Gen Intel Alder Lake-N Series Quad-Core Processors



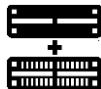
Features:



All-aluminum alloy structure, fanless heat dissipation design



1x DDR4 3200MHz SODIMM memory slot, up to 16GB



1x M.2 slot (SATA) + 1 MSATA slot 1 Mini PCIE slot (WIFI or 4G)



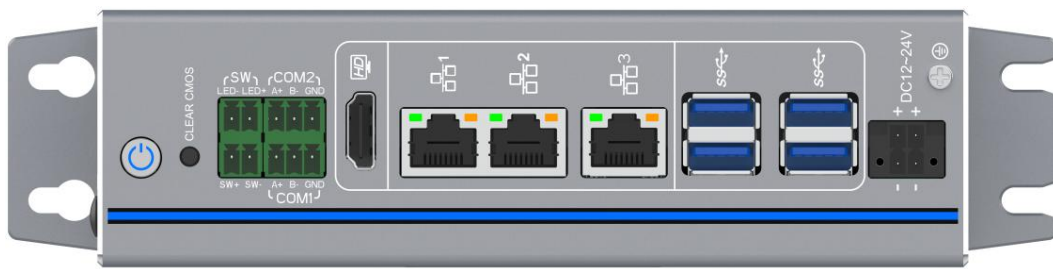
3x Intel I210-AT Ethernet



1x HDMI high-definition display Port

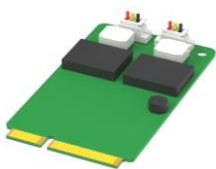


4x USB3.0



POWER Switch signal RS485*2 (Optical Isolation) HDMI *1 LAN *3 USB3.0 *4 DC_IN

Optional extensions



CAN



4G



WIFI/BT

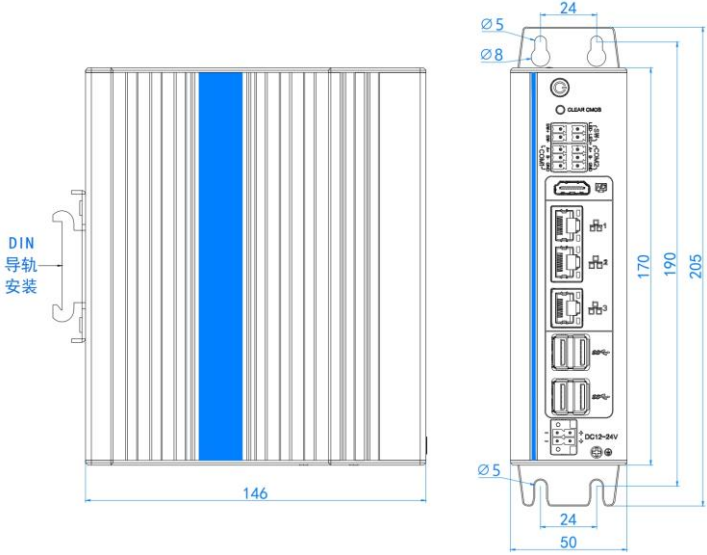
Specification

parameter	
Processor	Intel N100 (four-core four-thread, max 3.4 GHz) Intel N97 (four-core four-thread, max 3.6 GHz)
Archit / Chipset	Alder Lake-N
Memory	1x DDR4 3200MHz Ram slot, up to 16 GB
Graphics Card	
graphics card	Intel (R) UHD Graphics
Displays Port	1 HDMI (resolution up to 3840 x 2160 @60Hz)
Ethernet	
network	3x Intel I210-Ethernet
I/O	
USB	4 USB 3.0
COM	2 COM (default RS485, optional photoelectric isolation)
SW	Remote switch, power supply indicator light
Power Supply	
power input	DC 12V~24V input, 14 Pin power supply Phoenix terminal

Storage	
M.2	1 M.2 2280 M-key slot (SATA protocol SSD)
MSATA	1 MSATA slot
Extended slot	
Mini PCIE	1 full-length Mini PCIe slot (PCIE & USB2.0 signals, Optional 4G / WIFI / BT), with internal Nano-SIM card slot
Size / weight	
size	205 * 146 * 50 mm
weight	1.53 kg
Installation	Wall-mounted (standard), Din rail-mounted (optional), desktop (default)
Environment	
Work Temp	-20℃ ~ + 50℃, with surface air flow
Work Humi	5% ~ 95% non-condensed state
Other Function	
Application	Power on, time on, network wake up, PXE start, Watch dog (0~255 level), TPM 2.0 security encryption
	Industrial Automation, Medical, Logistics & Transportation, Warehousing, E-education and etc

Drawing

单位：毫米（mm）



Order Information

Configuration	Specs
1	Intel N100, 3x LAN /2x COM /4x USB
2	Intel N97, 3x LAN /2x COM /4x USB

Packing List

Name	Quantity	Note
Power adapter	1	Optional 12V 5A
Power cable	1	CN, US, UK, EU, etc
wall mount	1	Standard