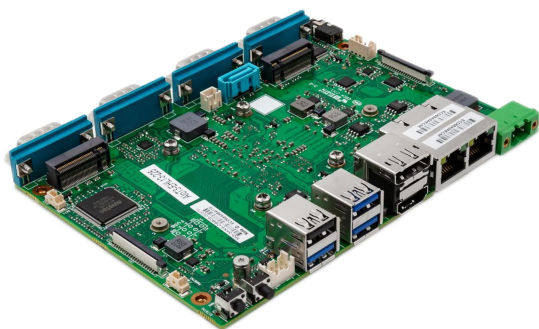


AIoT3-EHL

Intel® Elkhart Lake J6413

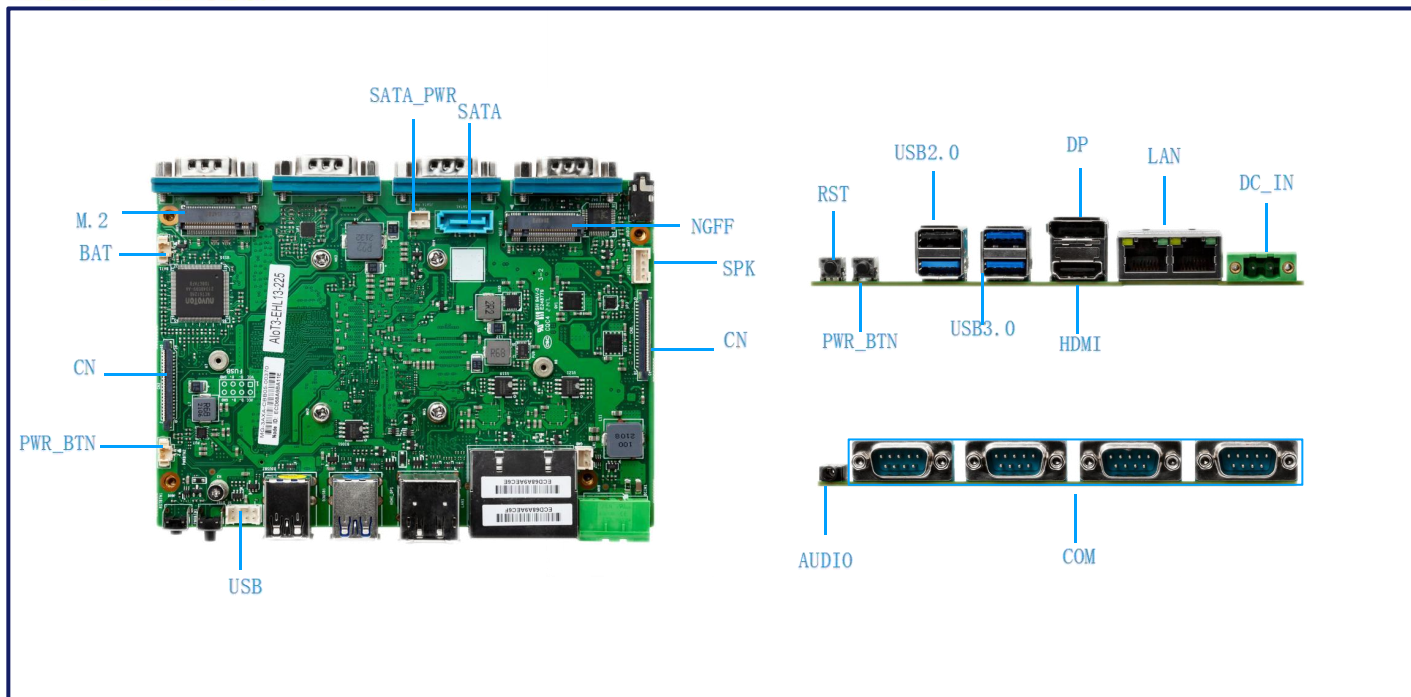


- Onboard J6413 Quad-core10W / N6211 Dual-core6.5W CPU
- Single DDR4-3200 SO-DIMM Support Max 32GB
- HDMI+DP Two Display
- Dual RJ45 2.5Gb Ethernet
- M.2 3042/3052 4G,5G Module
- M.2 Key-M 2242/2280 SATA SSD
- 4 RS232/RS485 Com;Can expanded 6 Com/10 Com
- High Tg wide temperature PCB material is adopted to ensure wide temperature stability
- Industrial-grade port protection interrupts static electricity and surges

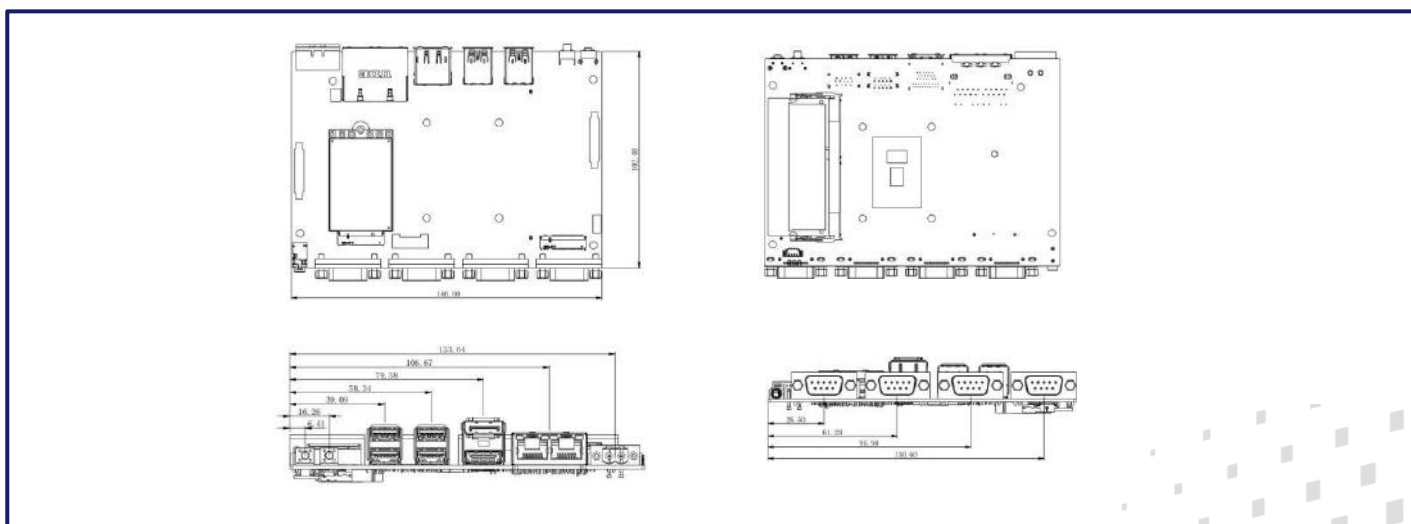
Specifications

CPU	Intel Elkhart Lake J/N CPU Standard item is optional N6211 1.2~3.0GHz or J6413 1.8~3.0GHz
Chipset	Intel Elkhart Lake SOC
Memory	2× 288PIN DDR4 DIMM, One 16GB, MAX 32GB
Display	Intel CPU Gen.11 Graphics Engines
I/O	Dual Display HDMI+DP HDMI2.0 max resolution up to 4096*2160@60Hz DP1.4 max resolution up to 4096*2160@60Hz
Storage	1 SATA3.0+PWR; 1 M.2 2242/2280 (SATA)
Audio	Mic-in+Line-out (2-in-1) , Support digital audio output with power amplifier (3W, 4Pin wafer)
Network	2 LAN : LAN1 & LAN2: 1Gb (BOM Optional .5Gb, 4 gigabit expansion boards are optional)
USB	4 Type-A: 3 x USB3.1 , 1 x USB2.0 , 2USB2.0 2.0mm Wafer
Parallel port	1
Serial port	4 COM RS232/422/485
PS/2	PS2 Integrate with MIX-IO (Optional expansion board)
Digital I/O	Expansion board supports 16-bit digital I/O integrated in MIX-IO (optional expansion board with optocoupler isolation)
eSPI	1 SM bus integration MIX-IO
TPM	The onboard encryption chip SLB9670 supports the TPM2.0 BOM optional TCM chip
Power	DC 10V~30V 2Pin terminal input (4P_12V socket BOM optional), switch button, power and hard disk indicators
Expansion	1 M.2 Key-B 3042/3052 Support 4G/5G module(USB3+PCIe x1) 1 MIX-IO Bus integration SGMII/PCIeX1/16GPIO/2xCOM/2xUSB2.0/PS2 /SM bus
Operating temperature&humidity	Room temperature Memory&Storage: 0°C ~ 60°C, Humidity 10% ~ 85%, Atmospheric pressure85~105kPa Wide temperature Memory&Storage: -10°C~60°C, Humidity 10% ~ 85%, Atmospheric pressure85~105kPa
Storage temperature&humidity	Temperature-40°C ~ 85°C; Humidity 5% ~ 95%(40°C), Atmospheric pressure 85~105kPa
Watch Dog	255 programmable seconds/min with support for timeout interrupts or system resets
BIOS	AMI UEFI BIOS
OS	Win10 x64, Win11 x64, Linux Ubuntu 18.04, CentOS 8
PCB Size (LxW)	146mm×102mm

Product view



Dimensions



Product Selection

Model	Detail
ALoT3-EHL13	工业主板J6413, 2*2.5GbE, 3USB3, 3USB2, 4COM, M.2 SSD, 4G_5G