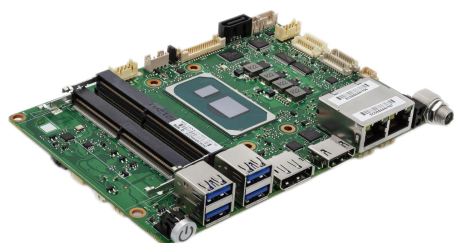


AIoT3-TGU

Intel Tigerlake-U 3.5' Embedded Single-board

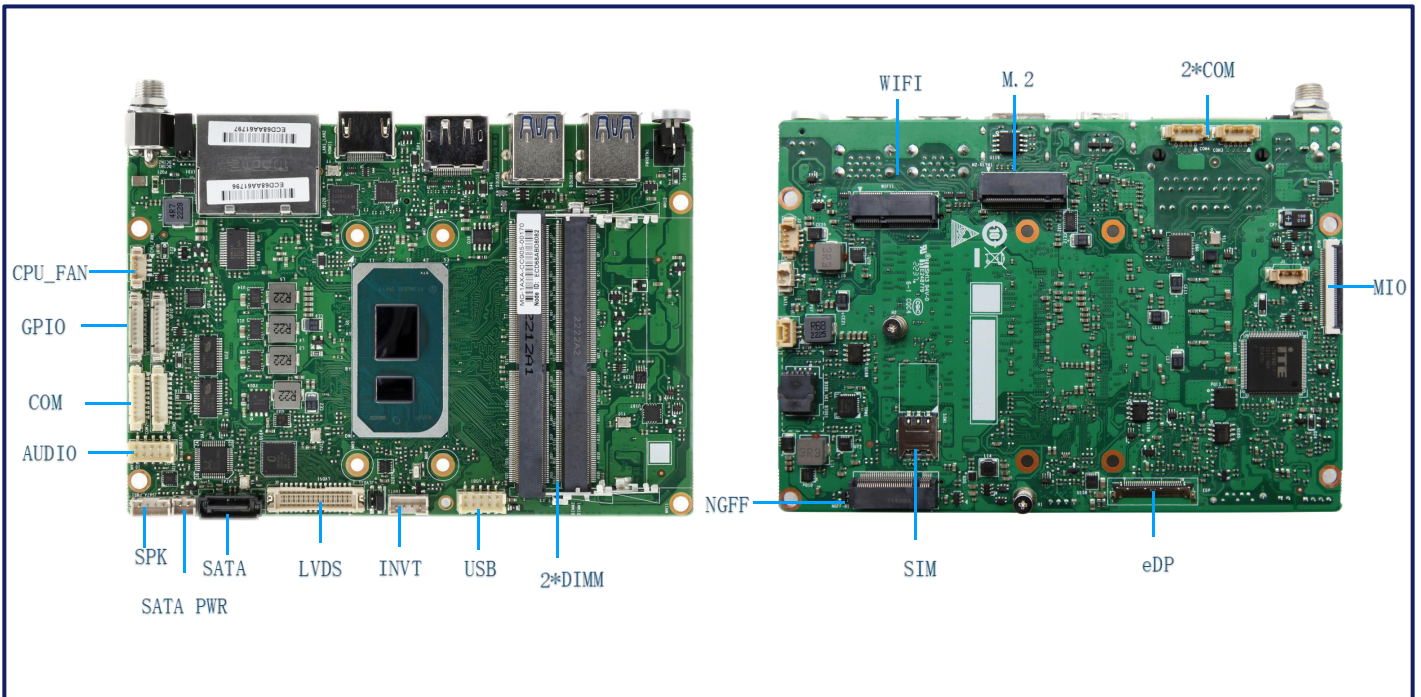


- Support TGU 11 Gen Low depletion CPU , TDP 15W Turbo 28W
- Standard 2 DDR4 SO-DIMM support up to 64GB
- M.2 2280 Key-M Support SATA/nVME Adaptation
- M.2 3052 Key-B Support 4G/5G and Wifi/BT
- Standard 4 USB3.0 Gen1 Support HD Connection
- Three Displays, Support triple display

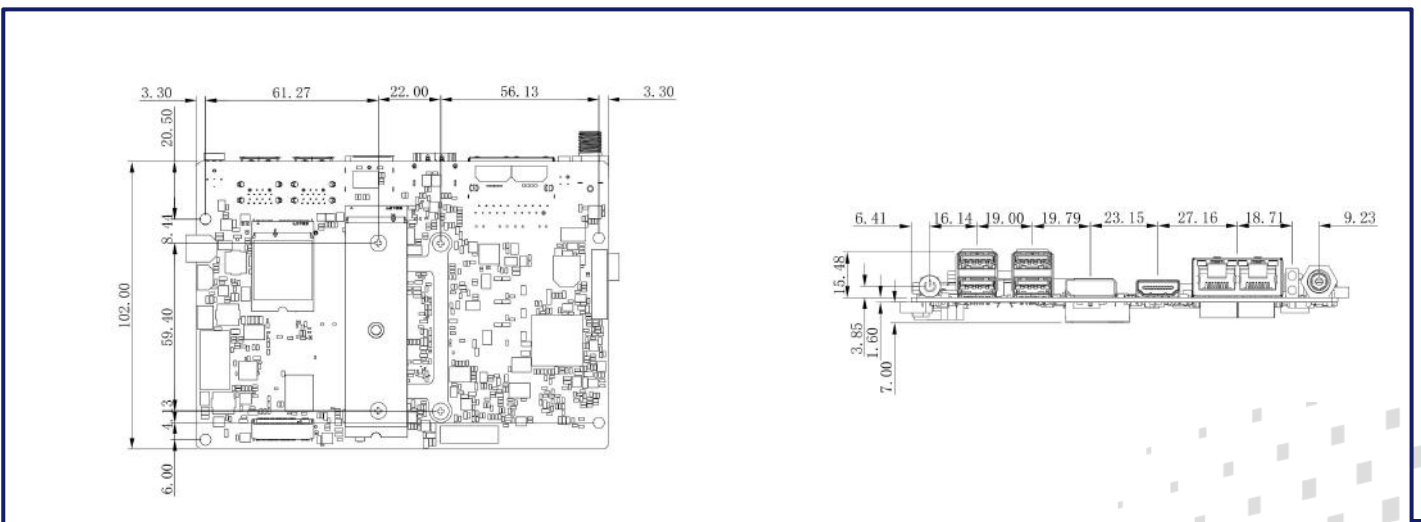
Specifications

CPU	Optional Intel Celeron 6305E 4M LLC 1.8Ghz or Intel Core i3-1115G4E 6M LLC 2.2-3.9GHz or Intel Core i5-1145G7E 8M LLC 1.5~4.1GHz or Intel Core i7-1185G7E 12M LLC 1.8~4.4GHz
Display	Integrated graphics Intel UHD Graphics for 11th or Iris Xe Graphics (depending on CPU)
Memory	2× DDR4 SODIMM Support DDR4-3200 Single Max 32GB
OS	WINDOW 7/WINDOWS 10/Kylin/UOS
BIOS	Bai Ao UEFI BIOS
Storage	1 M.2 2280 Key-M SATA/nVME Adaptive 1 SATA3.0+PWR 2pin 2.0mm
Audio	Support Mic-in+Line-out (2x5Pin Wafer), Support digital audio output with power amplifier(3W, 4Pin wafer)
Network	2 LAN: LAN1 i219V, LAN2 i226-V (4KV Surge protection)
I/O	4 Displays HDMI+DP+eDP+LVDS, Support independent quad display HDMI 2.0 max resolution up to 4096*2160 DP, max resolution up to 4096*2160 eDP, max resolution up to 4096*2160 LVDS, Dual Channel 24bit, max resolution up to 1920*1200
I ² C/I ² S Port	1 4Pin wafer I ² C Port
USB	4 USB3.2 Gen2 Type-A for side, 2 USB2.0 onboard
Com	COM1, COM2 Support RS232/422/485(BIOS Setting) COM3,COM4 Support Four Line RS232
Expansion	1 M.2 Key-B3042 Support 4G/5G Module(PCIe x1,USB2.0) 1 M.2 Key-E 2230 (PCIe x1, USB2.0) MIO Port: Mini-PCIe/2xCOM/1xUSB2.0/PS2/PWR_BTN/RST/Buzzer
Watch Dog	255 programmable seconds/min with support for timeout interrupts or system resets
CAN	1 3Pin wafer CANBus 2.0
Digital I/O	8-bit digital I/O interface (1x10Pin wafer)
TPM/TCM	On-board encryption chip SLB9670 supports TPM2.0
Power	DC 12V~24V anti-screw DC-Jack (BOM optional 2Pin phoenix terminal) Power switch, power indicator, storage indicator
Size	3.5 inch: 146mm(W)×102mm(D)
OS	Windows10, Windows11, Linux Ubuntu 21.04
BIOS	AMI UEFI/Legacy BIOS
Operation Condition	Room temperature Memory&Storage: -10°C ~ 60°C, Humidity 10% ~ 85%, Atmospheric pressure 85~105kPa Wide temperature Memory&Storage : -40~70°C, Humidity 10% ~ 85%, Atmospheric pressure 85~105kPa
Storage Condition	Temperature-40°C ~ 85°C; Humidity 5% ~ 95%(40°C), Atmospheric pressure 85~105kPa

Product view



Dimensions



Product Selection

Model	CPU	DISPLAY	LAN	M.2	USB3	USB2	COM	CAN
AIoT3-TGU05	6305E	4	2	2	4	2	4	1
Motherboard AIoT3-TGUI3	i3-1115G4	4	2	2	4	2	4	1
Motherboard AIoT3-TGUI5	i5-1145G7	4	2	2	4	2	4	1
Motherboard AIoT3-TGUI7	i7-1185G7	4	2	2	4	2	4	1