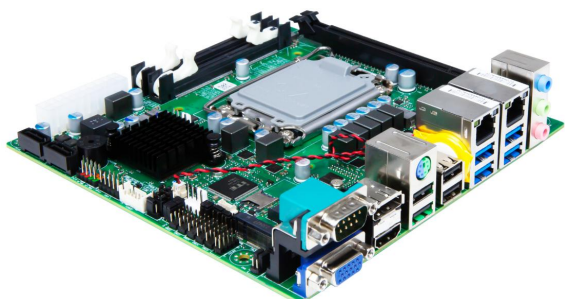


AIoT7-H610

Standard Mini-ITX industrial motherboard

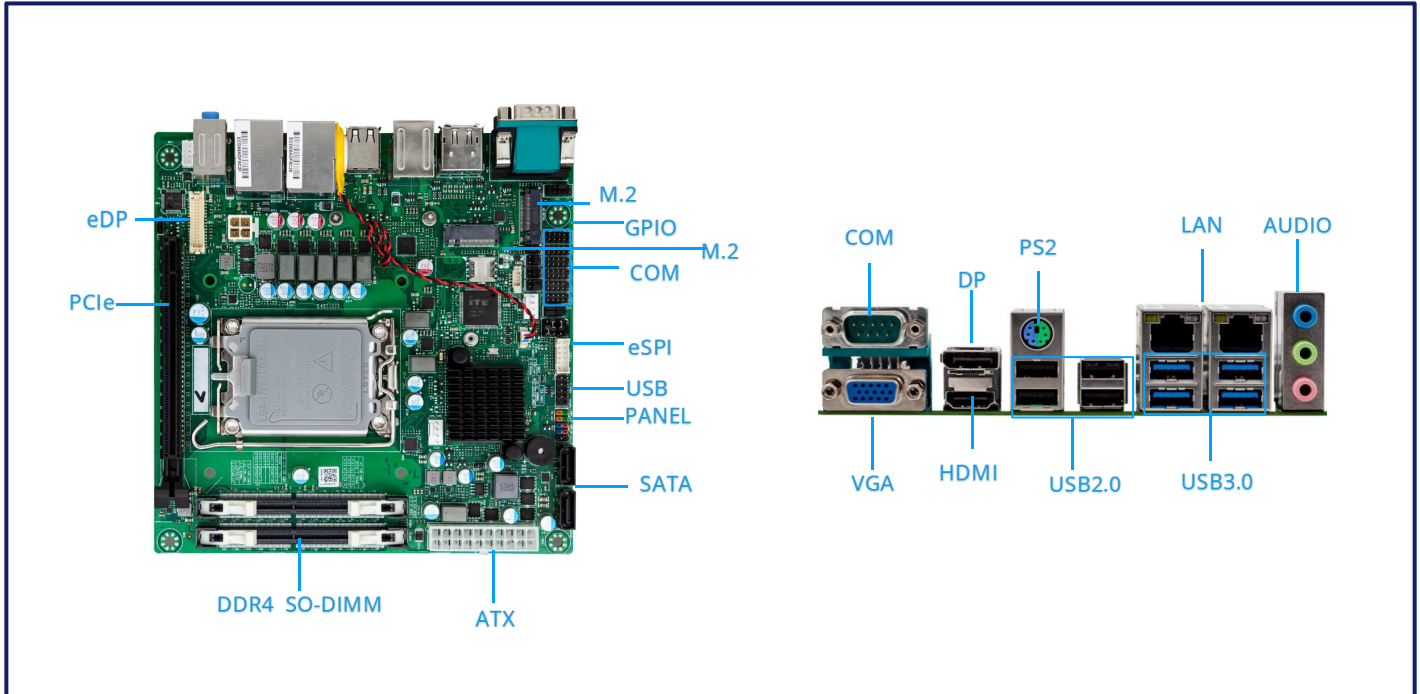


- Support LGA1700 packaged Gen12&13&14 i9/i7/i5/i3 CPUs
- 2 DDR4 SODIMM slots support up to 64GB
- PCIe5.0 x16, 1 M.2-3042
- 4 USB3.0 ports can connect to Industrial cameras
- Four display port, support Triple-display
- Using high Tg grade PCB boards to ensure wide temperature stability
- Industrial grade IO protection device, blocking ESD and surges, ensuring system stability and reliability
- Optimized interface and expansion layout effectively avoid interference and facilitate expansion for industry users

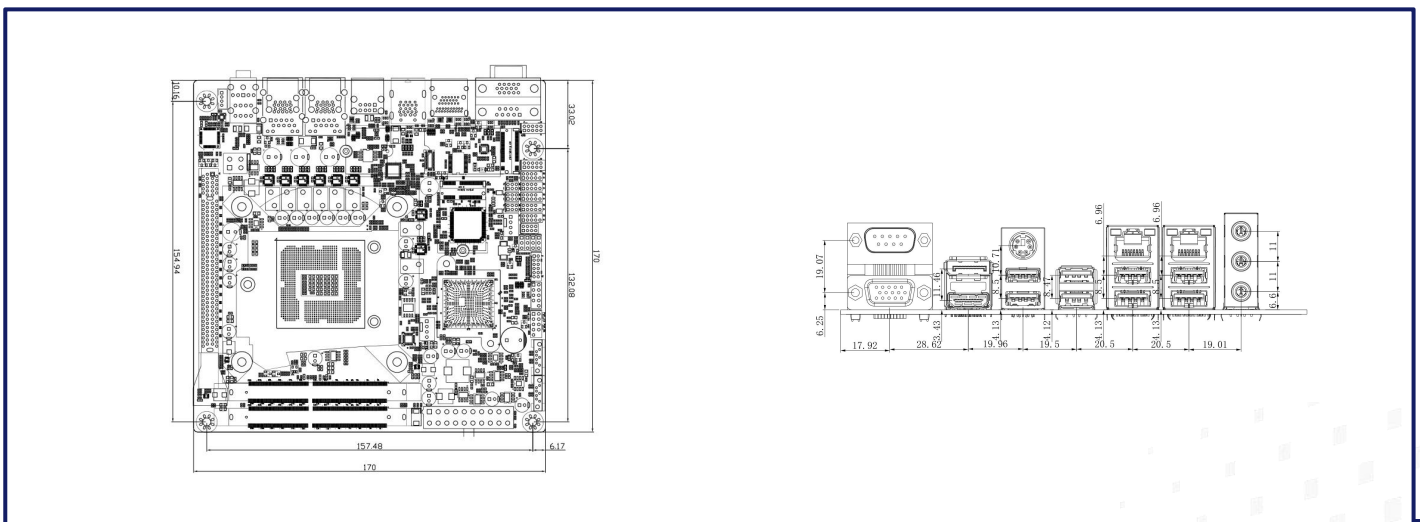
01 Specifications

CPU	Support LGA1700 packaged Gen12&13&14 i9/i7/i5/i3 CPUs, TDP 65W
Chipset	Intel ® H610 chipset
Memory	2 * DDR4 SODIMM memory slot, single slot 32GB maximum support 64GB Depending on the assigned CPU support DDR4-2133/2400/2666/2933/3200
Display controller	Intel CPU Integrated display controller (depending on the assigned CPU)
Display interface	VGA + HDMI + DP + eDP four display port, support Triple-display
Storage	2 SATA 3.0 (6 Gb/s) Ports 1 M.2 2242/2280 Key-M supports Nvme x2 SSD
Audio	Rear IO Support Mic-in+Line-out+Line-in, Supports audio output with amplifier (4Pin wafer)
Network	2x Intel High Speed Ethernet , RTL8111H*2
USB	8 rear IO USB(4*USB3.0 Type A, 2*USB2.0 Type A) 2 internal USB(for one of Pin-header or M.2-3042)
Parallel/I²C/SMBus	1x 4Pin I ² CBus
Serial port	COM1 Support RS232/485, COM2~COM6 Support RS232, COM2&COM3 Support Pin9 +5/12V,COM3 can be optional TTL
Keyboard & mouse	1 PS/2 Keyboard & mouse via 2-in-1 connector on the rear IO
Digital I/O	8-bit digital I / O, providing power supply and ground, + 5V level
LPC/eSPI	1 eSPI bus
TPM interface	On board encryption chip SLB9670, supporting TPM2.0
Power supply	ATX Power Supply, supports ATX/AT power switch mode
Expansion bus	1x M.2 Key-B 3042 Support 4G/5G(Pcie x1,USB2.0); Can be expanded with card support 1 xM.2 Key-E 2230 Support wifi (Pcie x1) 1x PCIe 4.0 x16 Slot
Operating temperature and humidity	-10°C~60°C, relative humidity 0%~90%, no condensation, air pressure 85-105kPa
Non-operating temperature and humidity	-40°C~85°C, relative humidity 0%~90%, no condensation, air pressure 85~105kPa
Watch Dog	255-level programmable in the mode of seconds/minutes, supports timeout interrupt or system reset
BIOS	AMI UEFI BIOS
Operating System	Win10 x64, Win11 x64, Linux Ubuntu 22.04
PCB dimensions (L*W)	170mm * 170mm

Product view



Dimensions



Product Selection

Product model	Chipset	Memory	Display	Storage	USB3	USB2	COM	LAN	SSD	PCIe
AIO T7-H610	H610	2DDR4	4(3)	2SATA	4	6	6	2	1	1