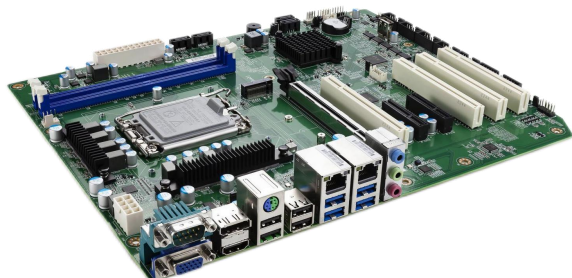


AIoT0-H610

Intel® H610 Standard ATX Industrial Motherboard



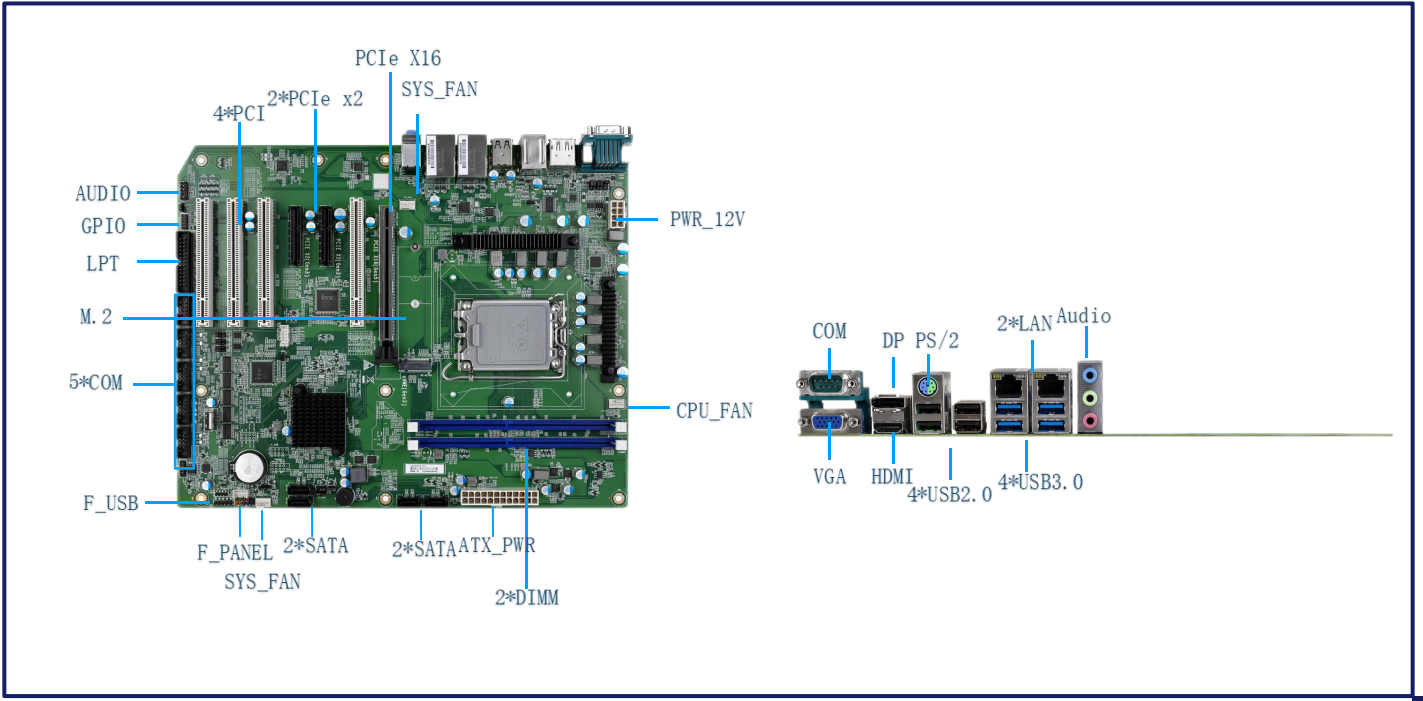
- Intel LGA1700 socket for 12th&13th generation i9/i7/i5/i3/G series CPUs, TDP 65W
- 2*DDR4 U-DIMM slots for up to 64GB capacity
- 1*PCIe x16, 2*PCIe x2, 4*PCI expansion slots.
- 4*USB3.2 ports for connecting HD video devices
- VGA+HIDMI+DP display interfaces, for dual display mode with any two interfaces
- High Tg and wide temperature PCB material for stability under wide temperature environment
- Industrial grade surge protection to ensure the stability and reliability
- dual Intel network chips for high-speed and stable data transmission
- Optimized interface and expansion slot layout effectively avoids interference

01 Specifications

Processor	Intel LGA1700 socket Gen12&13 i9/i7/i5/i3/G series, TDP 65W
Chipset	Intel® H610
Memory	2× 288Pin DDR4 UDIMM slots for up to 64GB capacity, compatibleDDR4-2133/2400/2666/2933/3200 compatible
Graphics Controller	Integrated Intel CPU graphics controller (depending on the installed CPU)
Display Port	VGA + HDMI + DP, dual display supported
Storage	4*SATA 3.0 (6 Gb/s) Ports 1*M.2 2242/2280 Key-M, Nvme SSD supported
Audio	MIC-In, Speaker-Out, Line-In
Network	2*Intel High-speed Ethernet Port: LAN1 i226-V (2.5G); LAN2 i219V (1G)
USB	4*USB3.2 Gen.1, 4*USB2.0 1*USB2.0 on-board vertical insert (USB Type-A) , 1*USB2.0 with Pin Insert
LPT	1*LPT
COM	6*COM (COM1&2 for RS232/422/485, COM3-6 for RS232)
PS2	1*PS/2
GPIO	1*8bit GPIO for power input and ground, +5V
eSPI	1*eSPI (2x6Pin wafer for 4*RS232 or 4*RS422/485 expansion)
TPM/TCM	On-board encryption chip SLB9670VQ2.0, compatible with TPM2.0
Power Supply	ATX Power Supply, supports ATX/AT power switch mode
Expansion	1*PCIe x16 slot with PCIe 5.0 for up to 64GB/s 2*PCIe x2 slots with PCIe 3.0 for up to 2GB/s 4*Standard PCI slots (32bit)
Operating Environment	Temperature: -10°C ~ 60°C; Humidity: 10% ~ 85%; Atmospheric Pressure: 85~105kPa
Storage Environment	Temperature: -40°C ~ 85°C; Humidity: 5% ~ 95%(40°C); Atmospheric Pressure: 85~105kPa
Watch Dog	1-255 sec/min
BIOS	AMI UEFI BIOS
OS	Win10 x64, Win11 x64, Linux Ubuntu 21.04
PCB Appearance	PCB coated with green solder mask
PCB Dimensions	305mm X 244mm

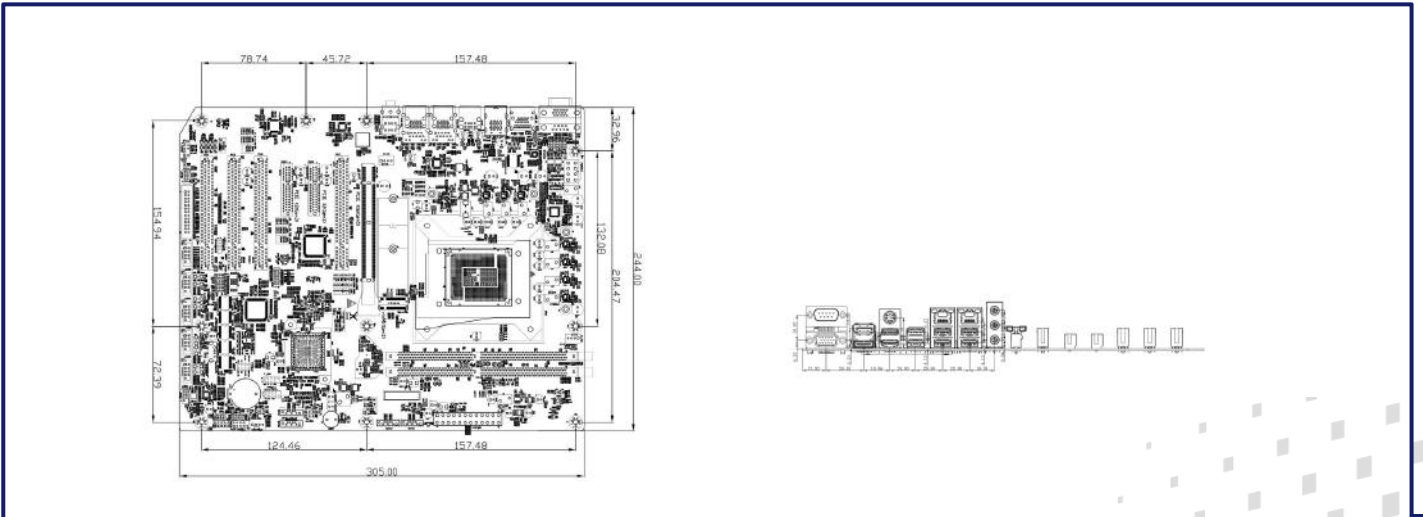
02

Product View



03

Dimensions



04

Product Selection

Model	Chip	Memory	Display	Storage	USB3	USB2	COM	LAN	PCI	PCIe
AloT0-H610	H610	2 DDR4	3(2)	4SATA	4	4	6	2	4PCI	3PCIe