

AIoT0-H610

Standard ATX industrial motherboard

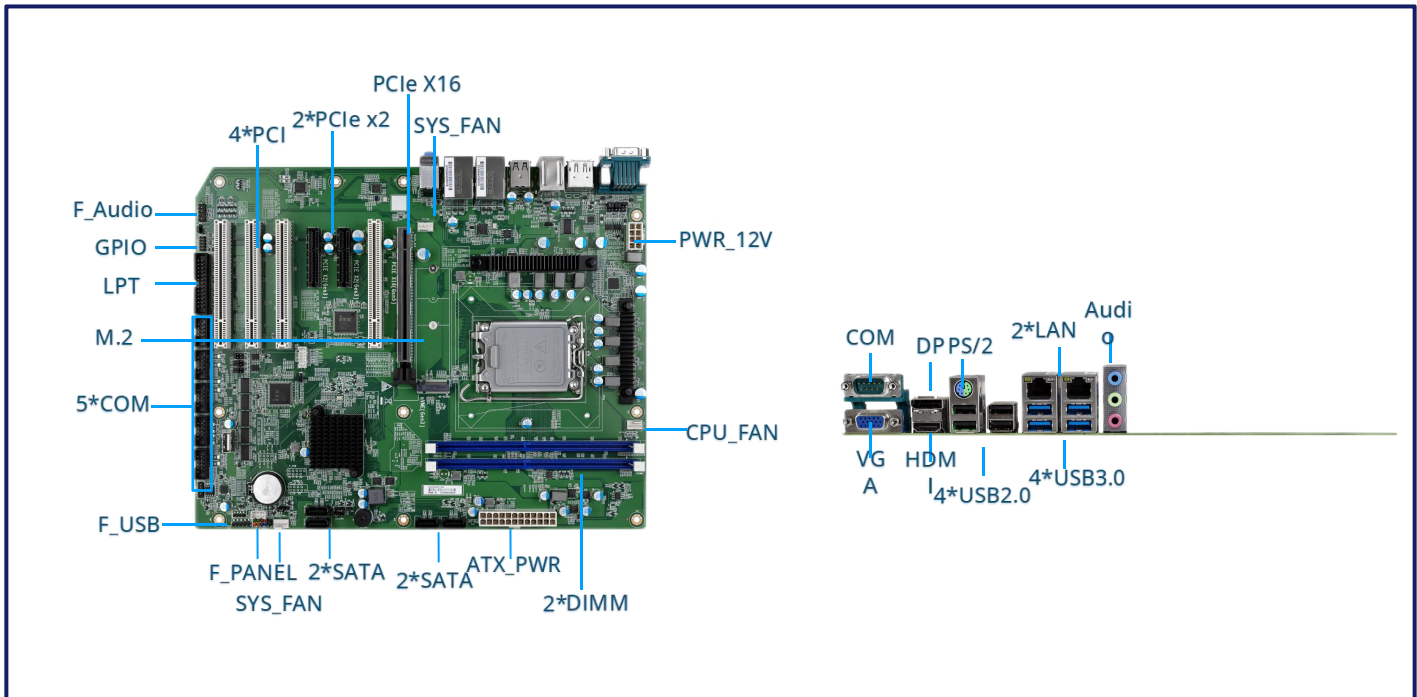


- Support LGA1700 packaged Gen12&13&14 i9/i7/i5/i3 CPUs
- 2 DDR4 UDIMM slots support up to 64GB
- PCIe5.0 x16, 2 PCIe3.0 x2 and 4 PCI slots
- 4 USB3.0 ports can connect to Industrial cameras
- VGA + HDMI + DP three display interfaces, support Triple-display
- Using high Tg grade PCB boards to ensure 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

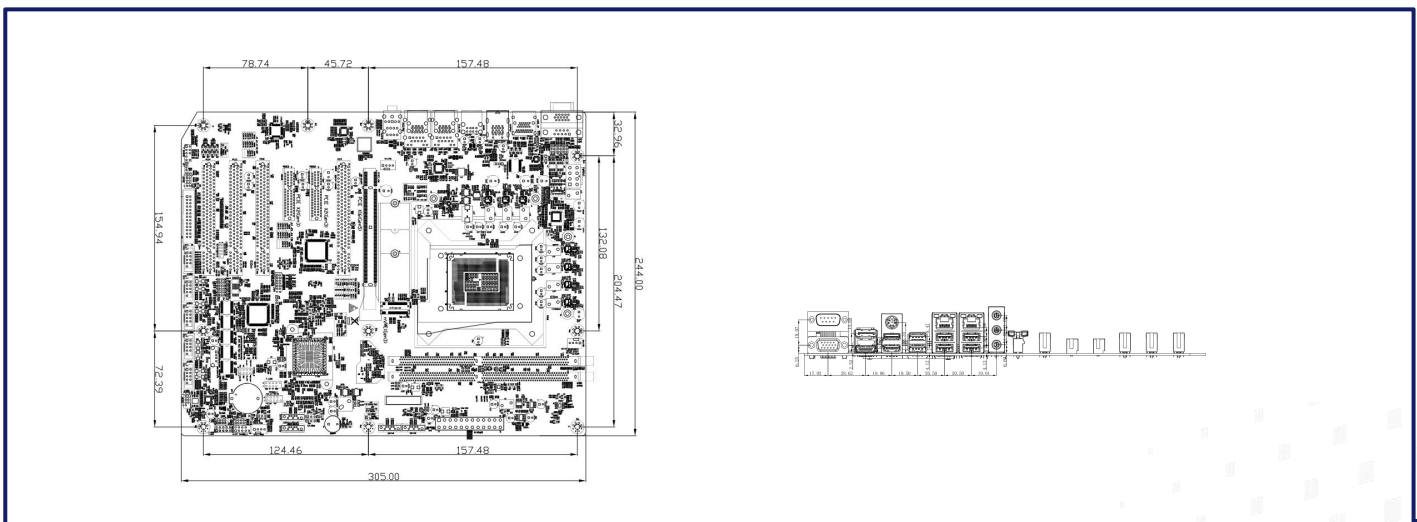
01 Specifications

CPU	Support LGA1700 packaged Gen12&13&14 i9/i7/i5/i3 CPUs, TDP 65W
Chipset	Intel ® H610 chipset
Memory	2 * 288Pin DDR4 UDIMM 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 three display port, support Triple-display
Storage	4 SATA 3.0 (6 Gb/s) Ports One M.2 2242/2280 Key-M supports Nvme x2 SSD
Audio	Rear IO supports MIC-In, Speaker-Out, Line-In audio jack, a front audio pin header F_Audio
Network	2 Intel high-speed Ethernet ports: LAN1 i226-V; LAN2 i219V
USB	8 rear IO USB(4*USB3.0,2 *USB2.0 Type A) ; 2 internal USB (1* USB 2.0 Type-A) Chassis front panel USB interface F_USB1 and F_USB2 , choose one from two
Parallel port	1 * parallel port
Serial port	6 serial port (COM1&2 supports RS232 / 422 / 485, COM3-6 supports RS232)
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 (2x6Pin can expand four serial ports)
TPM interface	On board encryption chip SLB9670, supporting TPM2.0
Power supply	ATX power Socket, supports ATX/AT On/Off mode Chassis front panel FPANEL1 and FPANEL2 Pin-header , choose one from two
Expansion bus	1 * PCIe 5.0 x16 slot, maximum data bandwidth 64GB/s; 2 * PCIe 3.0 x4 slots(x2 signal), maximum data bandwidth 2GB/s 4 * Standard PCI slot (32bit)
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)	305mm X 244mm

02 Product view



03 Dimensions



04 Product Selection

Product model	Chipset	Memory	Display	Storage	USB3	USB2	COM	LAN	PCI	PCIe
Alot0-H610	H610	2 DDR4	3(3)	4SATA	4	6	6	2	4PCI	3PCIe