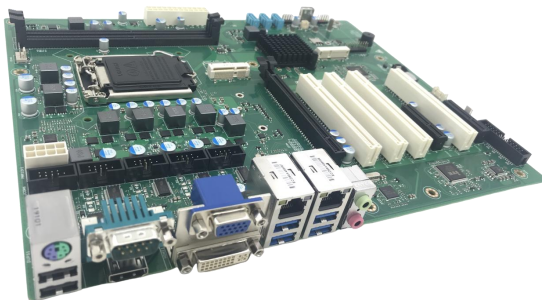


# AIoT0-H110

## Intel® H110 Standard ATX Industrial Motherboard

With abundant external interfaces, AIoT0-H110 supports high-performance Intel Gen 6, 7, 8, and 9 CPUs, and can be widely applied in machine vision, automatic production and testing, integrated security management system, integrated traffic management system, call center system, public security recording system, command and dispatch centers for various industries, workstations, insurance, securities and the recording and monitoring system used in other industries.

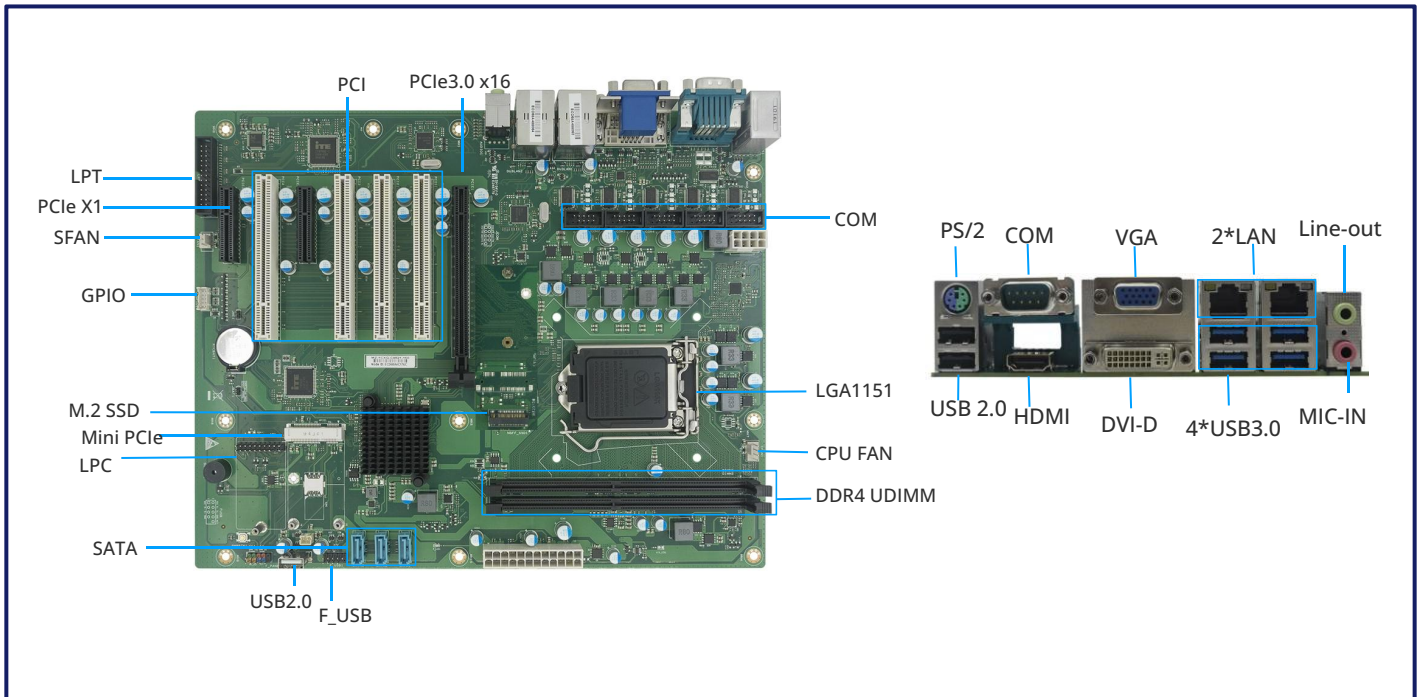


- Supports LGA1151 packaging for Gen6&7&8&9 i9/i7/i5/i3/G series CPUs
- Two DDR4 DIMM memory slots, supporting up to 64GB
- DVI-D+VGA+HDMI/3SATA/2GbE/9USB/6COM/4PCI/3PCIe
- Using high Tg grade PCB boards to ensure wide temperature stability
- Industrial grade IO protection device, blocking ESD and surges, ensuring system stability and reliability
- Optimized interface and expansion layout effectively avoid interference and facilitate expansion for industry users

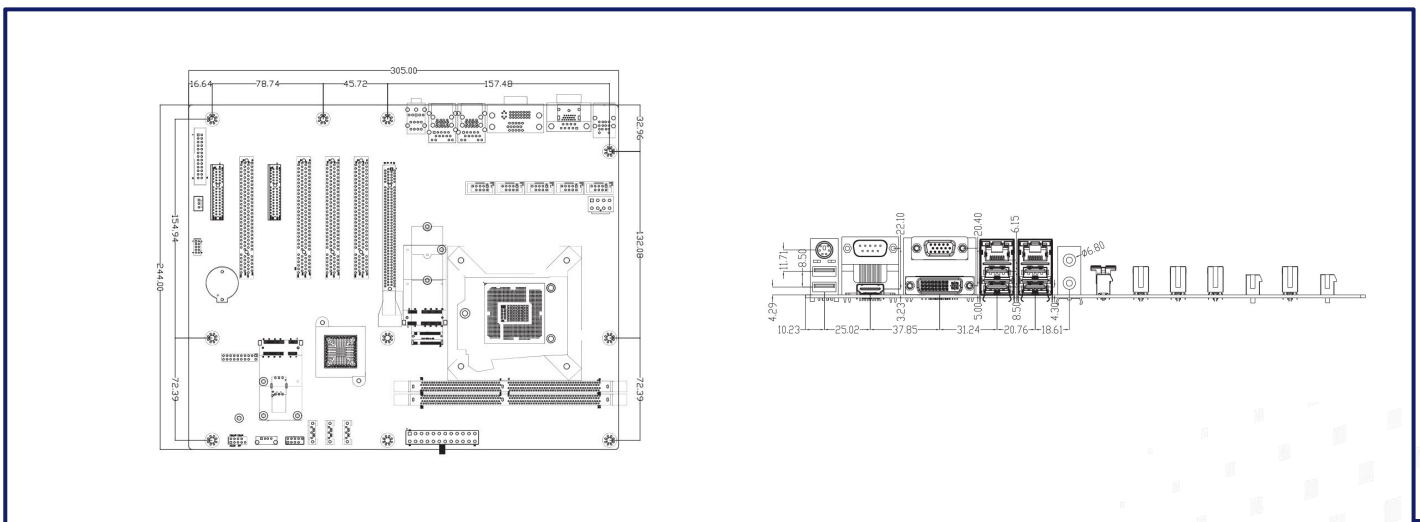
# 01 Specifications

|   |  |
|---|--|
| <b>CPU</b>                                    | Support LGA1151 Gen6&7&8&9 i9/i7/i5/i3/G   |
| <b>Chipset</b>                                | Intel® H110 chipset  |
| <b>Memory</b>                                 | 2 * 288PIN DDR4 DIMM memory slot, supports up to 64GB (a single memory slot of 32GB)   |
| <b>Display controller</b>                     | Intel CPU integrated display controller (depending on CPU)   |
| <b>Display interface</b>                      | Three display output DVI-D+VGA+HDMI, supports independent dual display   |
| <b>Storage</b>                                | 3 *SATA3.0, and 1 *M.2 SSD (mSATA optional)  |
| <b>Audio</b>                                  | Realtek ALC897, supports Mic-in and Spk-out  |
| <b>Network</b>                                | AIoT0-H110-1, LAN1: i219V, LAN2: RTL8111H<br>AIoT0-H110-2, LAN1: i219V, LAN2: Intel i226V  |
| <b>USB</b>                                    | 6 rear IO USB (4 x USB 3.0 Type-A and 2 USB 2.0 Type-A )<br>3 internal USB (2 x USB 2.0 via header, 1 x USB 2.0 Type-A)          |
| <b>Parallel port</b>                          | 1 * parallel port  |
| <b>Serial port</b>                            | COM1 supports RS232/422/485, and COM2-6 support RS232 (expandable to 10 serial ports)  |
| <b>Keyboard &amp; mouse</b>                   | 1 PS/2 Keyboard & mouse via 2-in-1 connector on the rear IO  |
| <b>Digital I/O</b>                            | 8-digit I / O, providing power and ground, + 5V level  |
| <b>LPC</b>                                    | 1 * LPC local bus interface  |
| <b>TPM interface</b>                          | LPC interface supports TPM module  |
| <b>Power supply</b>                           | ATX power source, supports ATX/AT On/Off mode  |
| <b>Expansion bus</b>                          | 1 PCIe3.0 x16, 2 PCIe2.0 x4 slot(x1 signals), 4 PCI (32 bits),<br>1 Mini-PCIe (support for SIM card socket to support 4G module) |
| <b>Operating temperature and humidity</b>     | 0 - 60°C, 5%- 95% with no condensation   |
| <b>Non-operating temperature and humidity</b> | -40 - 80°C, 5%- 95% with no condensation   |
| <b>Watch Dog</b>                              | 255-level programmable in the mode of seconds/minutes, supports timeout interrupt or system reset                                |
| <b>BIOS</b>                                   | AMI UEFI BIOS  |
| <b>Operating System</b>                       | Win7/Win10/WES7/Linux , 32bit/64bit  |
| <b>PCB dimensions (L*W)</b>                   | 305mm * 244 mm   |

## 02 Product view



## 03 Dimensions



## 04 Product Selection

| Product model | Chipset | Memory | Display | Storage | USB3 | USB2 | COM | LAN | PCI  | PCIe  |
|---------------|---------|--------|---------|---------|------|------|-----|-----|------|-------|
| Alot0-H110-1  | H110    | 2DIMM  | 3(2)    | 3SATA   | 4    | 6    | 6   | 2   | 4PCI | 3PCIe |
| Alot0-H110-2  | H110    | 2DIMM  | 3(2)    | 3SATA   | 4    | 6    | 6   | 2   | 4PCI | 3PCIe |

Note: ALoT0-H110-1, LAN1: i219V, LAN2: RTL8111H  
 ALoT0-H110-2, LAN1: i219V, LAN2: Intel i226V