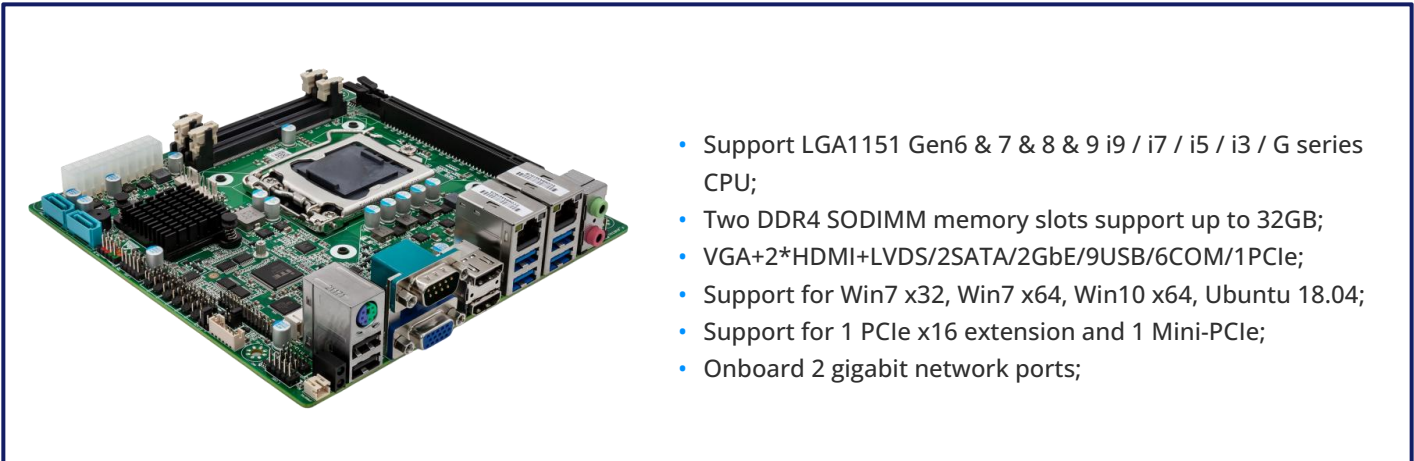


# AIoT7-H110V20

## Standard MINI-ITX Industrial Motherboard

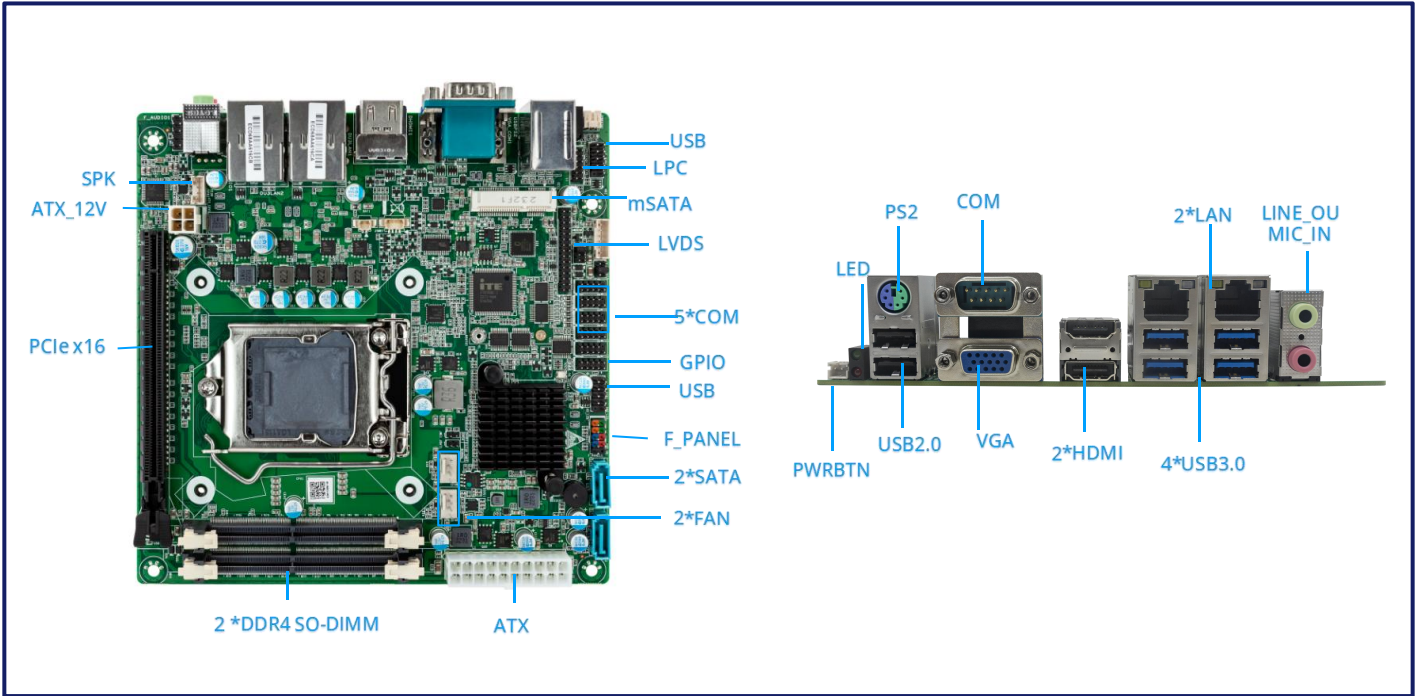


- Support LGA1151 Gen6 & 7 & 8 & 9 i9 / i7 / i5 / i3 / G series CPU;
- Two DDR4 SODIMM memory slots support up to 32GB;
- VGA+2\*HDMI+LVDS/2SATA/2GbE/9USB/6COM/1PCIe;
- Support for Win7 x32, Win7 x64, Win10 x64, Ubuntu 18.04;
- Support for 1 PCIe x16 extension and 1 Mini-PCIe;
- Onboard 2 gigabit network ports;

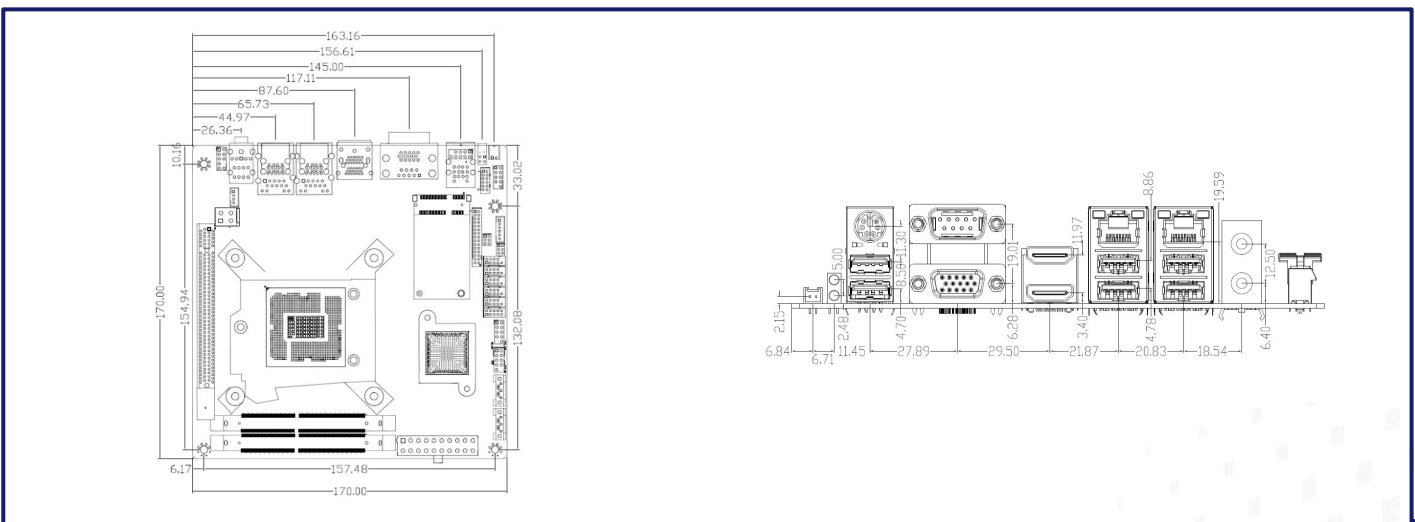
## 01 Specifications

<b>CPU</b>	Support for the LGA1151 package Gen6&7&8&9 i9 / i7 / i5 / i3 / G series CPU
<b>Chipset</b>	The Intel ® H110 chipset
<b>Memory</b>	2 DDR4 SO-DIMM slots, maximum 32GB Different CPU support DDR 4-2133 / 2400 / 2666
<b>Display controller</b>	Intel CPU Integrated display controller (depending on the assigned CPU)
<b>Display interface</b>	VGA, HDMI 1, HDMI 2, and LVDS, support independent dual display
<b>Storage</b>	2 SATA 3.0 , 1 mSATA
<b>Audio</b>	Rear IO Mic-in + Line-out Support chassis front panel Audio, support audio output with power amplifier (4Pin wafer)
<b>Network</b>	2x Intel high-speed Ethernet port RTL8111H
<b>USB</b>	6 rear IO USB (4 x USB 3.0 Type-A and 2 USB 2.0 Type-A ) 4 internal USB (4 x USB 2.0 via header)
<b>Parallel/I<sup>2</sup>C/SMBus</b>	A 4Pin SM Bus interface
<b>Serial port</b>	COM1 support RS232/422/485, COM2~6 support RS232 COM2 jumper supports Pin9 5/12V power supply
<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/eSPI</b>	1 LPC local bus
<b>TPM interface</b>	LPC interface support TPM module
<b>Power supply</b>	ATX power socket, supporting ATX/AT switch mode Rear I/O power switch pin holder, Power and HDD status lights
<b>Expansion bus</b>	1 PCIe 3.0 x 16,1 Mini-PCIe extension (no USB signal without 4G module support)
<b>Operating temperature and humidity</b>	0~60°C, 5%~95%, no condensation
<b>Non-operating temperature and humidity</b>	-40~80°C, 5%~95% , no condensation
<b>Watch Dog</b>	255 level programmable seconds / minutes, support timeout interruption or system reset
<b>BIOS</b>	AMI UEFI BIOS
<b>Operating System</b>	Win7 x64, Win10 x64, Ubuntu 18.04,Fedora Core 28
<b>PCB dimensions (L*W)</b>	170mm*170mm

## 02 Product view



## 03 Dimensions



## 04 Product Selection

Product model	Chipset	Memory	Display	Storage	USB3	USB2	COM	LAN	SSD	PCIe
ALoT7-H110V20	H110	2	4(2)	2SATA	4	6	6	2	1	2