

JW H610I V3.0

Intel 12th/13th/14th Gen Desktop Platform AIO Motherboard

JWIPC H610I all-in-one motherboard is based on the Intel 12th/13th/14th generation Alder/Raptor Lake platform processors. The motherboard supports dual-channel DDR4 memory, SATA/NVME mode M.2 SSD, and various network access modes including RJ45/WIFI/BT/CNVI. It also supports a wide range of peripheral interfaces, making it suitable for various types of all-in-one machines in the industry.



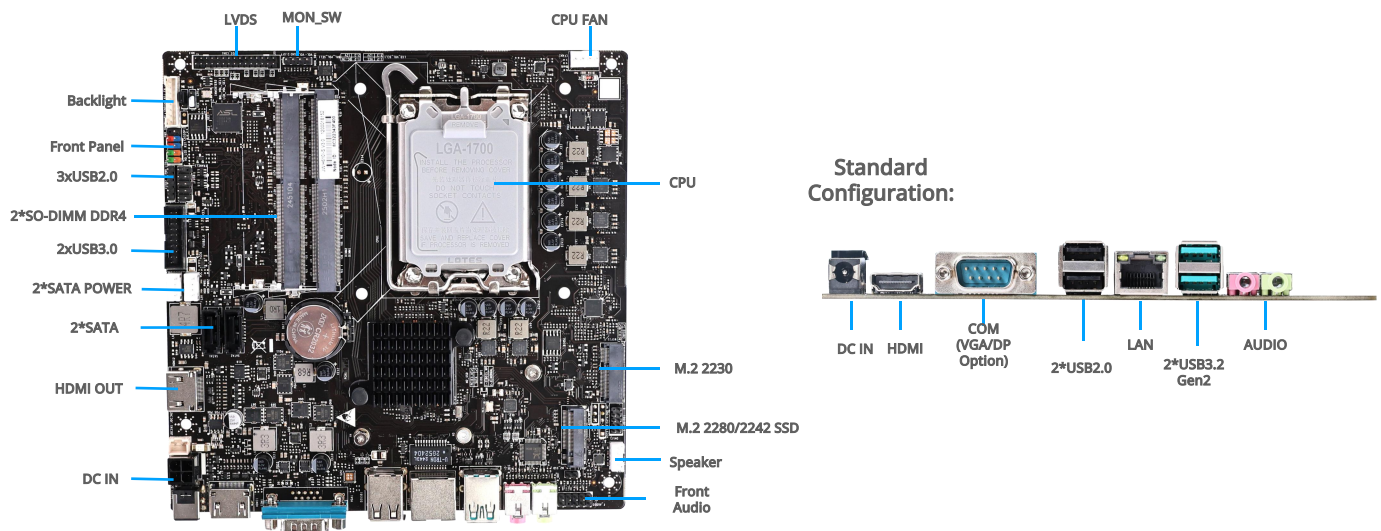
- Based on the Intel Alder/Raptor Lake platform
- Supports 12th/13th/14th Generation Intel Core Processors
- Dual-channel SO-DIMM DDR4 memory
- 1×M.2 2230 slot (supports WIFI/BT/CNVI)
- 1×M.2 2280 slot (supports SATA/NVME mode)
- Rear IO provides 2×USB3.2 Gen2, 2×USB2.0
- Onboard pin headers can expand to 3 USB2.0 ports, 2 USB3.0
- 2 x HDMI, 1 x LVDS (supports up to 120Hz), 1 x COM
- 1 x Gigabit Ethernet card, supports Wake-on-LAN function
- Supports LVDS gravity sensing (Sensor version only)

01 Specifications

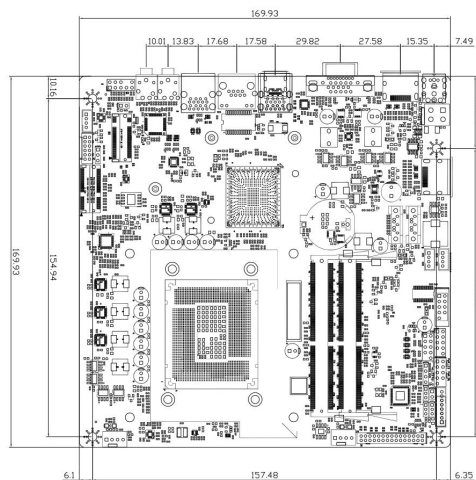
CPU	Intel LGA1700 12th/13th/14th Gen CPU TDP: 65W Options: Intel Core i7/Core i5/Core i3/Pentium/Celeron
Chipset	Intel H610 Chipset
Graphics	Intel integrated graphics
Memory	2×DDR4 SO-DIMM DDR4 2666MHz/2933MHz/3200MHz Max: 64G
Display Interface	1x HDMI; 1x HDMI (optional side output); 1x COM (optional 1x VGA/1x DP); 1x LVDS
Audio	Realtek ALC897 High Definition Audio Codec
Storage	1× M.2 2280 slot (supports SATA/NVME mode) 2× SATA3.0 ports + 2× SATA power connectors
Network	1× RJ45 Gigabit Ethernet port, RTL8111M
WiFi	1× M.2 2230 slot (supports WIFI/BT/CNVI)
Audio Interface	1 x Line out, 1 x Mic in (3.5mm Audio Jack) 1 x F_Audio header (2 x 5-1 2.54mm specification) 1 x 4pin speaker connector (3W/4Ω x2)
USB Interface	IO Interface: 2× USB3.2 Gen2; 2× USB2.0 Onboard Headers: 2 sets of USB2.0 headers (expandable to 3 USB2.0 ports); 1 set of USB3.0 headers (expandable to 2 USB3.0 ports)
LVDS	1×LVDS 30PIN header, 1×LCD_VOL_SEL display voltage jumper (5V/12V) 1×4PIN MON_SW header
Backlight	1×8PIN INVERTER interface (Backlight +/-), 1×BKL_VOL backlight voltage jumper (12V/19V)
Pin Headers	1×FPANEL panel header, 1×4PIN CPU fan, 1xJBIOS header
Others	1×4PIN DC socket
Power Input	12~19VDC IN, 2.5/5.5 DC Jack power interface
BIOS Support	128M flash ROM, AMI UEFI BIOS, PC Health, WOL
Dimensions	Thin Mini-ITX motherboard specification, 170 x 170 mm
Operating Temperature	-10~50 degrees Celsius
Operating Humidity	10%~90% non-condensing
Storage temperature	-20~70 degrees Celsius
Non-operating humidity requirement	5%~95% non-condensing
Operating system	Win10 / W11 / Ubuntu

Product view

Front I/O



Dimensions



Product Selection

Model	Product Configuration
JW H610I V3.0	1 *LAN/2*USB3.2 Gen2/2*USB2.0/2 *HDMI/ 1*LVDS/1*COM
JW H610I-VGA V3.0	1 *LAN/2*USB3.2 Gen2/2*USB2.0/2 *HDMI/ 1*LVDS/1*VGA
JW H610I-S V3.0	1 *LAN/2*USB3.2 Gen2/2*USB2.0/2 *HDMI/ 1*LVDS/1*COM/G-Sensor
JW H610I-VS V3.0	1 *LAN/2*USB3.2 Gen2/2*USB2.0/2 *HDMI/ 1*LVDS/1*VGA/G-Sensor
JW H60I-DP V3.0	1 *LAN/2*USB3.2 Gen2/2*USB2.0/2 *HDMI/ 1*LVDS/1*DP