

JW H810I

Intel Core Ultra 2nd Gen Desktop Platform AIO Motherboard

JWIPC H810I all-in-one motherboard, based on the Intel Core Ultra 2nd Generation Arrow Lake platform processor, supports dual-channel DDR5 memory, SATA/NVME mode M.2 SSD, and various network access modes including RJ45/WIFI/BT/CVNI; it also supports a wide range of peripheral interfaces, suitable for various types of all-in-one machines in the industry.



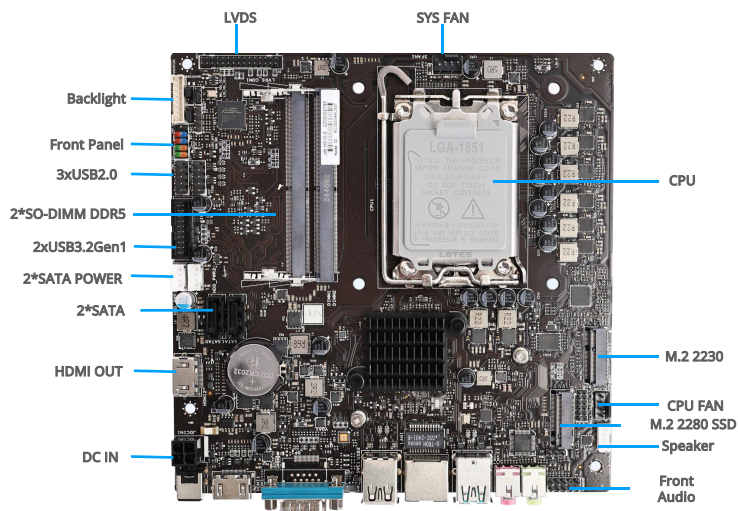
- Based on the Intel Arrow Lake platform
- Supports Intel Core Ultra 2nd Generation processors
- Dual-channel SO-DIMM DDR5 memory
- 1×M.2 2230 slot (supports WIFI/BT/CNVI)
- 1×M.2 2280 slot (supports SATA/NVME mode)
- Rear IO provides 2×USB3.2 Gen2, 2×USB2.0
- Onboard pin headers can expand to 3 USB2.0 ports, 2 USB3.2 Gen1 ports
- 2 x HDMI, 1 x LVDS (supports up to 120Hz), 1 x COM/VGA/DP
- 1 x Gigabit Ethernet card, supports Wake-on-LAN function
- Supports LVDS gravity sensing (Sensor version only)

01 Specifications

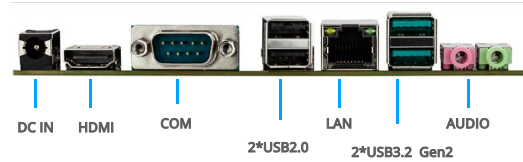
CPU	Intel Core Ultra (Series 2) TDP: 65W; LGA1851
Chipset	Intel H810 chipset
Graphics	Intel integrated graphics
Memory	2×DDR5 SO-DIMM DDR5 4800MHz/5200MHz/5600MHz Max: 64G
Display Interface	1x HDMI; 1x HDMI (optional side output); 1x COM (optional VGA/DP); 1x LVDS
Audio	Realtek ALC897 High Definition 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 USB3.2 Gen1 ports)
LVDS	1×LVDS 30PIN connector (supports up to 120Hz), 1×LCD_VOL_SEL display voltage jumper (5V/12V) 1×4PIN MON_SW connector, 1×LVDS_OFF jumper
Backlight	1×8PIN INVERTER interface (backlight +/-), 1×BKL_VOL backlight voltage jumper (12V/19V)
Pin Headers	1×FPANEL panel connector, 1×4PIN CPU fan, 1×4PIN SYS fan
Others	1×4PIN DC socket, 1×BIOS 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

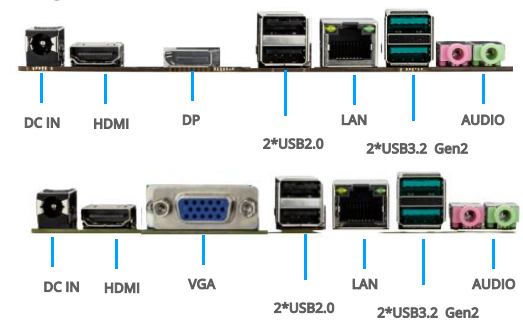
Front I/O



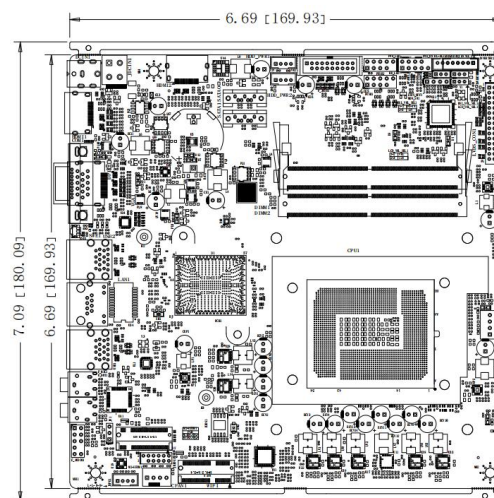
Standard Configuration:



Optional Configuration:



Dimensions



Product Selection

Model	Product Configuration
JW H810I	1 *LAN/2*USB3.2 Gen2/2*USB2.0/2 *HDMI/ 1*LVDS/1*COM