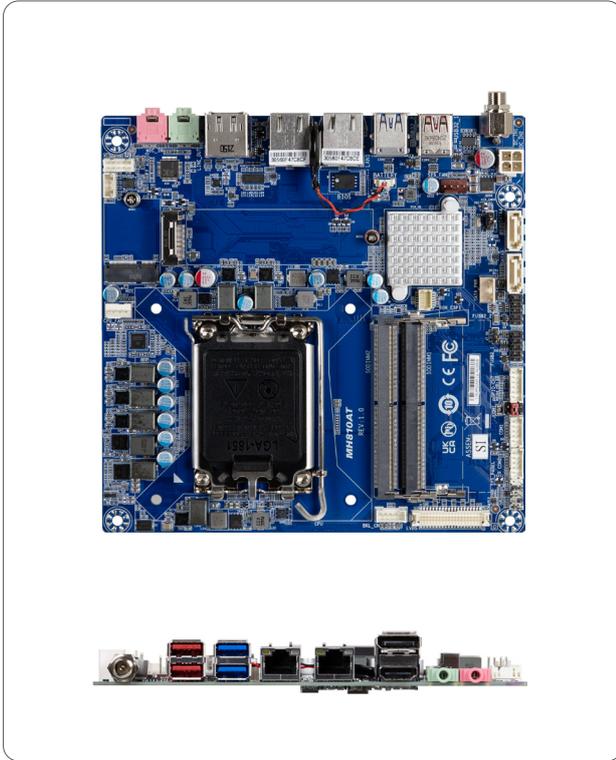


iTXL-H810A (MH810AT-SI)

Thin Mini-ITX with Intel® H810 Chipset, support Intel® Core™ Ultra processors (Series 2), Dual Channel DDR5 Memory, 2 x COM, 8 x USB, 2 x SATA 6Gb/s, TPM onboard



Features

- Thin Mini-ITX form factor
- Support Intel® Core™ Ultra processors (Series 2)
- Intel® H810 Express chipset
- Dual Channel DDR5, 2 x SO-DIMMs/CSO-DIMMs
- 2 x GbE LAN Ports
- 2 x SATA 6Gb/s Ports
- HDMI, Display Port, LVDS ports for Multiple Display
- 1 x COM Port (RS-232/422/485 & RI/5V/12V)
- 1 x COM Port (RS-232)

Specifications

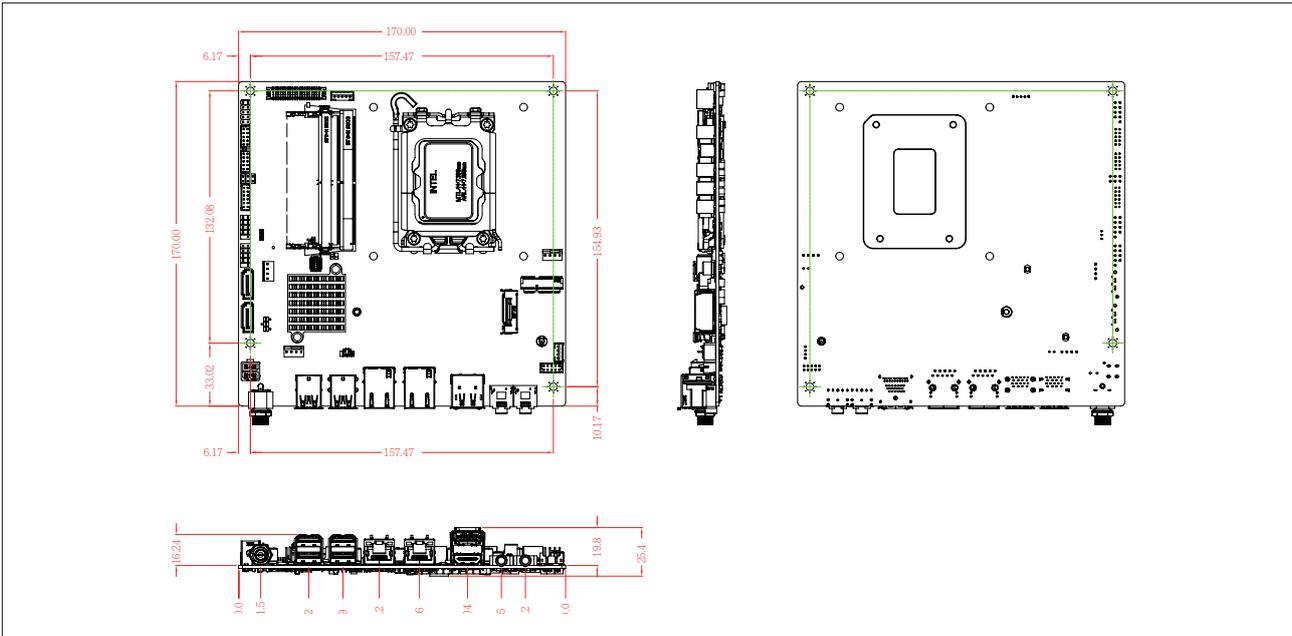
| | |
|-----------------|---|
| Form Factor | Thin Mini-ITX 170W x 170D (mm) |
| CPU | Support Intel® Core™ Ultra processors (Series 2) TDP under 65W |
| Socket | 1 x LGA 1851 |
| Chipset | Intel® H810 Chipset |
| Memory | 2 x DDR5 SO-DIMM/CSO-DIMM sockets, Max. Capacity 128 GB Support Dual channel DDR5 5600/6400 MHz memory modules |
| Ethernet | 2 x GbE LAN Ports (Realtek® RTL8111H) |
| Video | Integrated Graphics Processor - depends on CPU: 1 x HDMI 2.1 port, supporting a maximum resolution of 7680x4320 @60Hz 1 x DP port, supporting a maximum resolution of 4096x2160 @60Hz 1 x LVDS port, supporting a maximum resolution of 1920x1200 @60Hz (3 independent display outputs) |
| Audio | Realtek® ALC897 |
| Storage | 2 x SATA 6Gb/s Ports |
| Expansion Slots | 1 x 2280 M.2 M-Key (PCIe Gen4x4, SATA 6Gb/s) 1 x 2230 M.2 E-Key |

| | |
|----------------------|---|
| Internal I/O | 1 x 4-pin ATX main power connector 1 x SATA Power connector (5V only) 1 x CPU fan header 1 x System fan header 1 x Front panel header 1 x Front panel audio header 1 x 2W Speaker out header 1 x GPIO (8 bits) & SMBus header 4 x USB 2.0 headers 1 x COM header (RS-232) 1 x COM header (RS-232/422/485 & RI/5V/12V) 1 x Clear CMOS jumper 1 x Backlight Control header 1 x AT/ATX mode select jumper |
| Rear I/O | 2 x Audio Jacks (Line out, Mic in) 1 x HDMI 1 x Display Port 2 x RJ45 LAN Ports 2 x USB 3.2 Gen 2x1 2 x USB 3.2 Gen 1 1 x DC Jack (+12V/+19V-24VDC) |
| TPM | Onboard TPM 2.0 security chip Infineon SLB9670VQ2.0 |
| OS Compatibility | Windows 11 IoT Enterprise LTSC 2024(24H2) 64bits Windows 10 IoT Enterprise LTSC 2021(21H2) 64bits |
| Operating Properties | Operating temperature: 0°C to 60°C Operating humidity: 60°C @ 20-95% (non-condensing) Non-operating temperature: -40°C to 85°C Non-operating humidity: 85°C @ 95% (non-condensing) |
| Packing Content | Carton size: 465 x 351 x 217 (mm) Packing Capacity: 10pcs Single Box size: 221 x 178 x 65 (mm) Including: Standard IO Shield x 1 (P/N: 12AIO-MH610A-00R) Low-Profile IO Shield x 1 (P/N: 12AIO-MH610A-10R) SATA Power Cable x 1 (P/N: 25CRI-300B01-K1R) |
| Order Information | 9MH810ATMR-SI (Box Packing) |

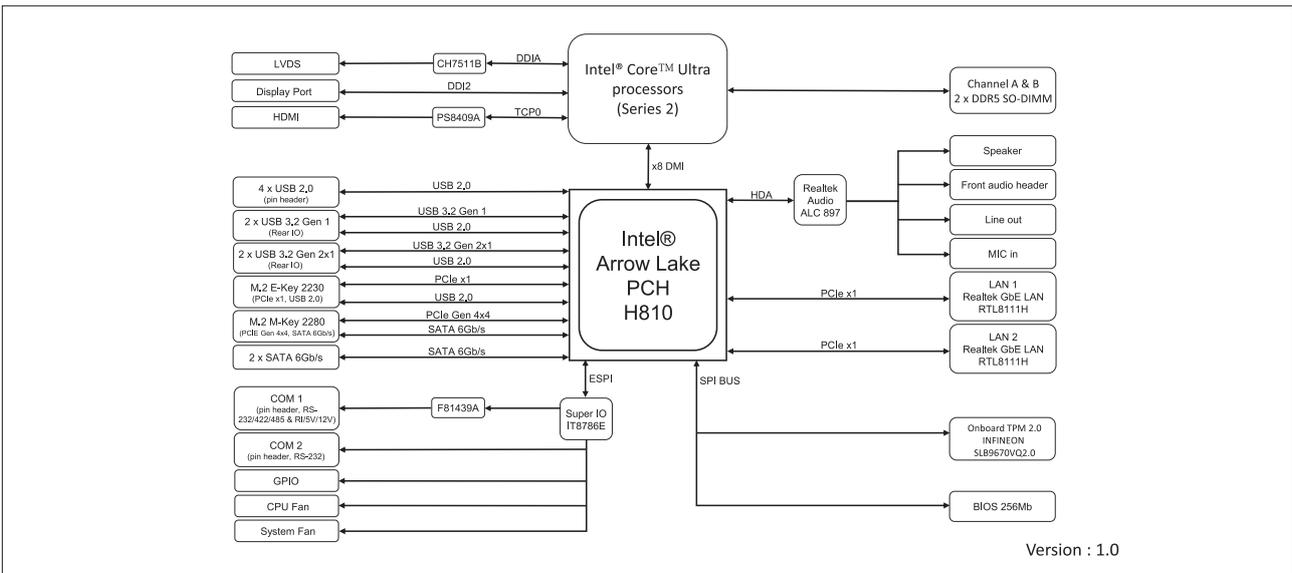
GIGAIPC reserves the right to modify or change technical data without prior notice.

Dimension (Unit: mm)

2026/03/17



Block Diagram



Optional Kit

| Part No. | Description | Quantity |
|------------------|----------------------|----------|
| 25ST0-037820-YOR | CPU Cooler | 1 |
| 12KRH-0A1700-00R | CPU Cooler Backplate | 1 |

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