

**Model:**       **MINI-ITX-H310-5L**  
**Industrial Mini-ITX main Board, Intel® H310 Chipset, 5 x Intel® GLAN**



## Main Feature:

- Supports 6<sup>th</sup> to 9<sup>th</sup> Gen. Intel Core™ i3/i5/i7/Pentium®/Celeron® processor (LGA1151)
- Two DDR4 DIMM up to 64GB DDR4 2133 MHz SDRAM
- 5 x GLAN, 4 x USB 3.0, 6 x USB 2.0...
- 6 x COM ports (COM 1 & 2 could set to RS232/422/485)
- Supports Dual display configuration by multiple interface: HDMI/VGA
- Supports DirectX12, OpenGL4.5, Support 4K 60Hz resolution (Integrated Intel HD ® Graphics Controller)

| Specification   |                                                                                                                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Item            | Description                                                                                                                                                                                |
| CPU             | 6 <sup>th</sup> to 9 <sup>th</sup> Gen. Intel® Core™ i3/i5/i7/ Pentium / Celeron LGA1151 Processor                                                                                         |
| Chipset         | Intel® H310 Express Chipset                                                                                                                                                                |
| Memory          | Dual channel DDR4 2133 MHz SDRAM (Non-ECC), Max. Capacity Up to 64GB (32GB per DIMM slot)                                                                                                  |
| Graphic         | <ul style="list-style-type: none"> <li>• 1 x VGA port Supports the highest resolution 1920X1200 @60Hz</li> <li>• 1 x HDMI port Supports the highest resolution 4096 x2304 @60Hz</li> </ul> |
| Expansion Slots | 1 x PCIe16 (Gen2/3)                                                                                                                                                                        |
|                 | 1 x LPT (Parallel port)                                                                                                                                                                    |
| LAN             | 4 x Intel® I211 & 1 x Intel® I219V (Gigabit LAN)                                                                                                                                           |
| Storage         | 2 x SATA 3.0 6Gb/s, 1 x M.2 2280 PCIe 3.0 (NVME)                                                                                                                                           |
| Audio           | ALC897, 6 - Channel HD Audio CODEC, support MIC-IN, Line-OUT and Line-IN                                                                                                                   |
| USB             | 6 x USB 2.0, 4 x USB 3.0                                                                                                                                                                   |

|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| Special Features | Support ACPI S3                                                                   |
|                  | Support CPU Smart FAN                                                             |
|                  | Support Watch Dog                                                                 |
| Rear Panel I / O | 4 x USB 2.0 & 4 x USB 3.0 ports                                                   |
|                  | 4 x RJ-45 port                                                                    |
|                  | 1 x VGA / HDMI port                                                               |
|                  | 3 x Audio Phone Jack (Line-in & out, Mic.-in)                                     |
| Internal I / O   | 2 x USB 2.0 port                                                                  |
|                  | 1 x Front Panel header                                                            |
|                  | 6 x COM (COM 1 & 2 could set to RS232/422/485)                                    |
|                  | 1 x CPUFAN & 1 x SYSFAN connector                                                 |
|                  | 1 x AUDIO header                                                                  |
|                  | 1 x 24-pin & 4-pin 12V ATX Power connector                                        |
| BIOS             | 64MB SPI Flash ROM                                                                |
| Supporting OS    | Windows 7/10/11; Linux                                                            |
| Environment      | Operating temperature: 0°C to 60°C<br>Relative humidity: 5% to 95% non-condensing |
| Compliance       | CE; FCC; ROHS                                                                     |
| Dimension        | 180 x 180 ( mm )                                                                  |