

# iTXL-6210A (MEHLNAT-SI)

Thin Mini-ITX Embedded Motherboard with Intel® Celeron® N6210 Processor, Dual Channel DDR4 memory, 4 x COM, 1 x SATA 6Gb/s, 9 x USB



## Specifications

|                 |                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor     | Thin Mini-ITX<br>170W x 170D (mm)                                                                                                                                                                                                                                                                                                               |
| CPU             | Intel® Celeron® N6210 Processor<br>10nm, 2 cores, 2 threads, up to 2.60 GHz<br>TDP 6.5W                                                                                                                                                                                                                                                         |
| Socket          | 1 x FCBGA 1493                                                                                                                                                                                                                                                                                                                                  |
| Memory          | 2 x DDR4 SO-DIMM sockets, Max. Capacity 32 GB<br>Support Dual Channel DDR4 3200 MHz memory modules                                                                                                                                                                                                                                              |
| Ethernet        | 2 x GbE LAN Ports                                                                                                                                                                                                                                                                                                                               |
| Video           | Integrated Graphics Processor -<br>Intel® UHD Graphics for 10th Gen Intel® Processors:<br>2 x HDMI 2.0 port, supporting a maximum resolution of 4096x2160 @60Hz<br>1 x LVDS port, supporting a maximum resolution of 1920x1080 @60Hz<br>1 x eDP port, supporting a maximum resolution of 4096x2160 @60Hz<br><br>(3 independent display outputs) |
| Audio           | Realtek® Audio Codec                                                                                                                                                                                                                                                                                                                            |
| Storage         | 1 x SATA 6Gb/s Port                                                                                                                                                                                                                                                                                                                             |
| Raid            | —                                                                                                                                                                                                                                                                                                                                               |
| Expansion Slots | 1 x PCIe x1 (Gen3 x1)<br>1 x 2280 M.2 M-Key (PCIe x2, SATA 6Gb/s)<br>1 x 2230 M.2 E-Key (PCIe x1, USB 2.0)                                                                                                                                                                                                                                      |

## Features

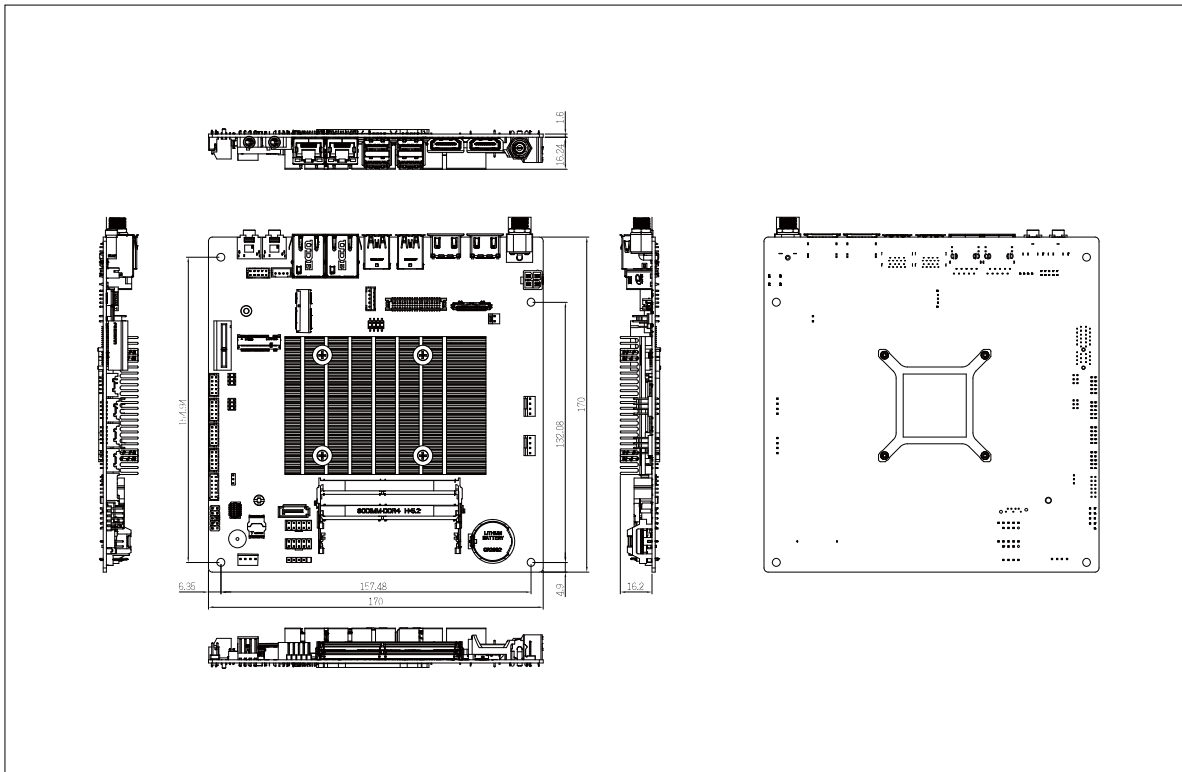
- Thin Mini-ITX form factor
- Intel® Celeron® N6210 Processor
- Dual Channel DDR4, 2 x SO-DIMMs
- 2 x GbE LAN Ports
- 1 x SATA 6Gb/s Port
- HDMI, eDP/LVDS ports for Multiple Display
- 1 x COM Port (RS-232/422/485 & RI/5V/12V)
- 1 x COM Port (RS-232 & RI/5V/12V)
- 2 x COM Ports (RS-232)

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Internal I/O         | 1 x 4-pin ATX main power connector<br>1 x SATA Power connector<br>1 x CPU fan header<br>1 x System fan header<br>1 x Front panel header<br>1 x Front panel audio header<br>1 x 2W Speaker out header<br>5 x USB 2.0 headers<br>1 x Buzzer<br>1 x COM header (RS-232/422/485 & RI/5V/12V)<br>1 x COM header (RS-232 & RI/5V/12V)<br>2 x COM headers (RS-232)<br>1 x GPIO (8 bits) & SMBus header<br>1 x Backlight Control header<br>1 x AT/ATX mode select jumper<br>1 x ATX control header |
| Rear I/O             | 2 x Audio Jacks (Line out, Mic in)<br>2 x HDMI<br>2 x RJ45 LAN Ports<br>3 x USB 3.2 Gen 1<br>1 x USB 2.0<br>1 x DC Jack (+12V/19~24VDC)                                                                                                                                                                                                                                                                                                                                                    |
| TPM                  | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OS Compatibility     | Windows 10 (x64)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Operating Properties | Operating temperature: 0°C to 60°C<br>Operating humidity: 0-90% (non-condensing)<br>Non-operating temperature: -40°C to 85°C<br>Non-operating humidity: 0%-95% (non-condensing)                                                                                                                                                                                                                                                                                                            |

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

## Dimension

Unit: mm



## Packing Content

- Carton size: 465 x 351 x 217 (mm)
- Packing Capacity: 10pcs
- Including:
  - IO Shield x 1 (P/N: 12AIO-MJPLN0-00R)
  - SATA Power Cable x 1 (25CRI-300B01-K1R)

## Ordering Information

- Motherboard: 9MEHLNATMR-SI (Box packing)

2022/09/16

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

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

GIGAIPC:

9MEHLNATMR-SI