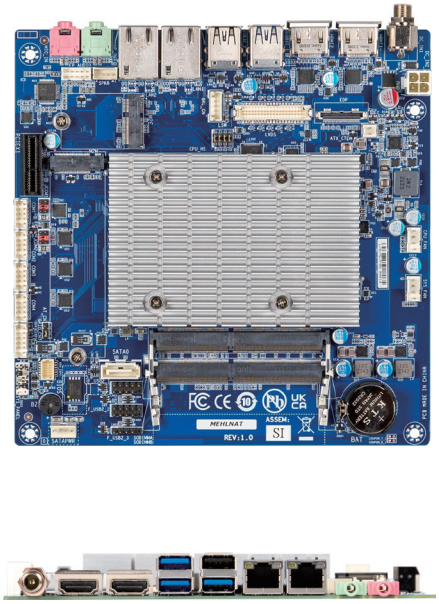
iTXL (Thin Mini-ITX) Series

# 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



## 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)

## 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>* eDP connector is alternative with LVDS port, only one can be worked at the same time<br><br>(3 independent display outputs) |
| Audio | Realtek® ALC897 |
| 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) |
| 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) |
| Packing Content | Carton size: 465 x 351 x 217 (mm)<br>Packing Capacity: 10pcs<br><br>Single Box size: 221 x 178 x 65 (mm)<br><br>Including:<br>Standard IO Shield x 1 (P/N: 12AIO-MEHLJA-00R)<br>Low-Profile IO Shield x 1 (P/N: 12AIO-MJPLN0-00R)<br>SATA Power cable x 1 (P/N: 25CRI-300B01-K1R) |
| Order Information | 9MEHLNATMR-SI (Box packing) |

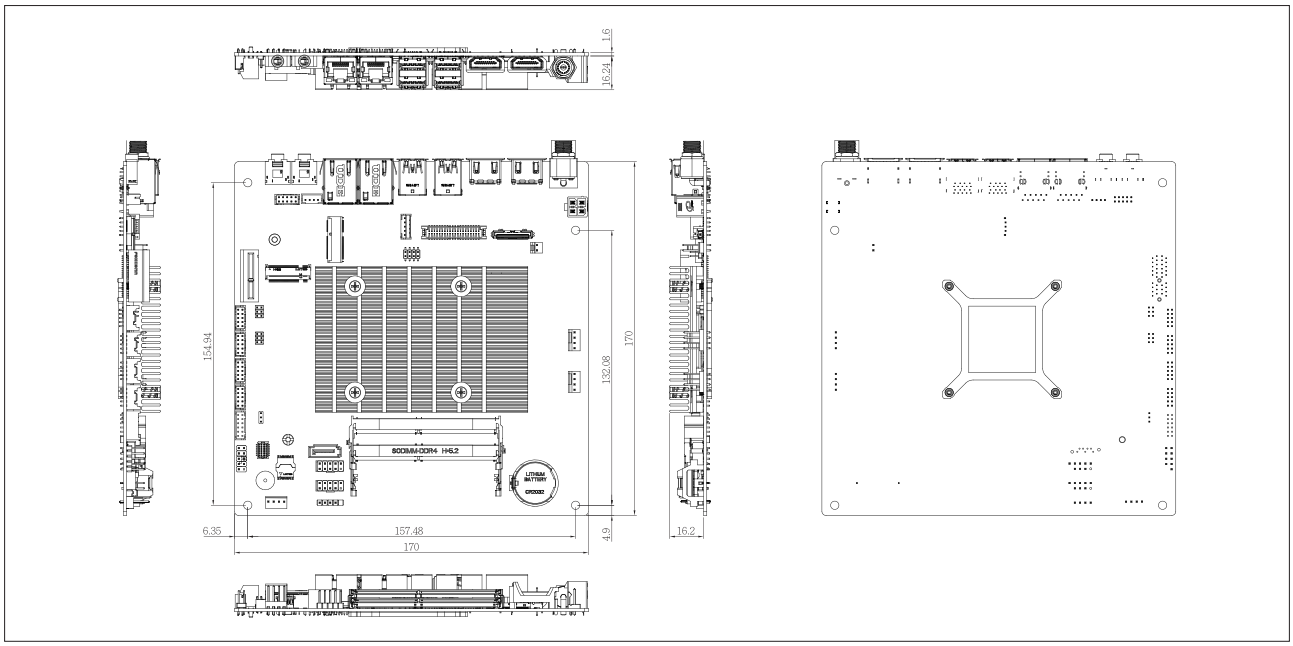
GIGAIPC reserves the right to modify or change technical data without prior notice.

GIGAIPC
GIGABYTE GROUP

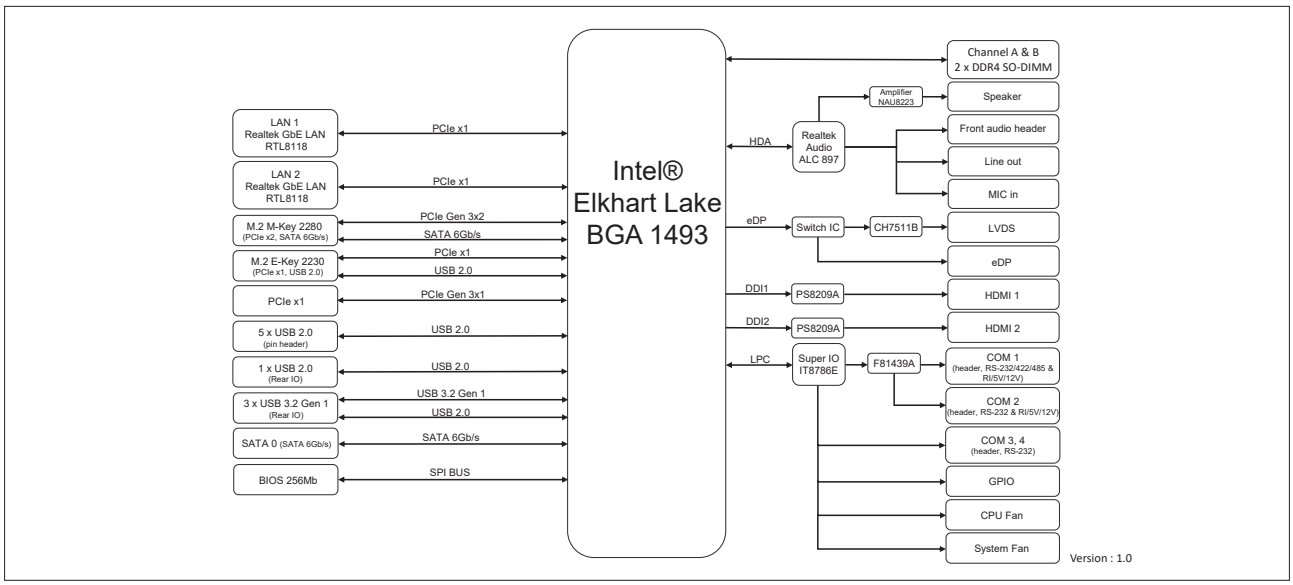
**GIGAIPC Co., LTD.**
B1-A,No. 205 Sec. 3,Beixin Rd., Xindian Dist., New Taipei City 23143, Taiwan
Phone: +886-2-89131312 | Fax: +886-2-89131332
sales@gigaipc.com | www.gigaipc.com

## Dimension (Unit: mm)

2025/02/19




## Block Diagram




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

**GIGAIPC Co., LTD.**
B1-A,No. 205 Sec. 3,Beixin Rd., Xindian Dist., New Taipei City 23143, Taiwan
Phone: +886-2-89131312 | Fax: +886-2-89131332
sales@gigaipc.com | www.gigaipc.com