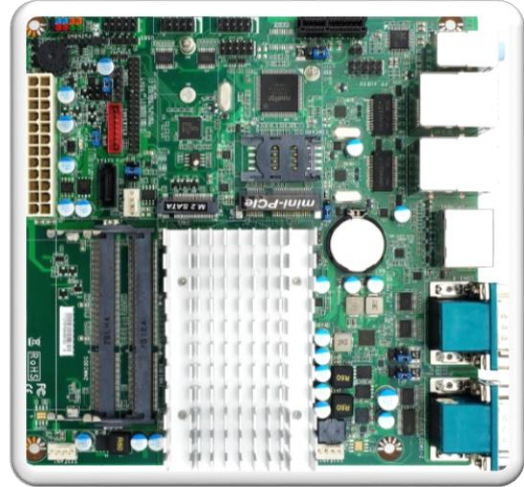




**Industrial Mini-ITX Motherboard supports Intel® Pentium® /Celeron® Processor (Apollo Lake) SoC, LVDS/HDMI/DP, USB 3.0, PCI Express Mini Card, PCI, and HD Audio**



## Features

- Intel® Apollo Lake processor
- Dual Gigabit Ethernet supported
- (1) SATA3 & (1) M.2 Socket
- Watchdog & Hardware Monitor function
- VGA/LVDS/HDMI multiple outputs

## CPU

- Intel® Pentium® processor N4200 (up to 2.24 GHz) quad core SoC (Apollo Lake)
- Intel® Celeron® Processor N3350 (up to 2.4GHz) Dual Core SoC (Apollo Lake)

## System Memory

- (2) 204-pin SO-DIMM dual channel DDR3L-1866, Max up 8 GB

## Display Interface

- Intel® HD Graphics
- (1) HDMI 1.4 & (1) LVDS & (1)DP

## Ethernet

- (2) Realtek 8111H Gigabit Ethernet Controllers

## Audio

- HD Audio with Realtek ALC662

## Storage

- (1) SATA3 with 6.0Gb/s
- (1) M.2 Key 2242/2260

## I/O Interface

- (5) RS232 & (1) RS232/422/485 serial ports
- (4) USB 3.0 and (3) USB 2.0 ports
- (1) 8-bit digital I/O interface
- (1) SIM slot, (1) SMBus

## Onboard Expansion

- (1) Full-size PCI Express mini card

## Power Requirement

- Standard ATX power supply

## Environment Spec

- 0 ~ 60°C operation temperature
- Operation humidity under 10% ~ 95%

## Dimension

- 170mm x 170mm

## Ordering Information

<b>MBC-4J03A2GHL-N4200</b>	Intel® Pentium® N4200 mini ITX SBC, HDMI/ LVDS/DP, Dual GbE LAN, SATA3, USB 3.0, PCI, PCI express mini card and HD Audio
<b>MBC-4J03A2GHL-N3350</b>	Onboard Intel® Celeron® N3350