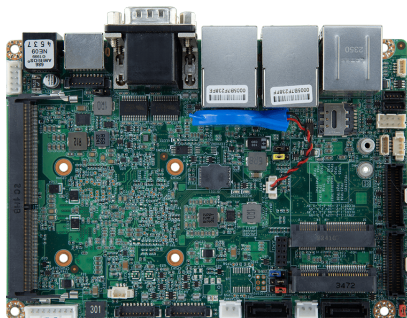


# EmCORE-i2802

Intel Elkhart Lake Celeron N6210 1.2GHz/ Atom® x6413E 1.5GHz Processor  
3.5" Compact Board



## Features

- Soldered onboard Intel Elkhart Lake Processor
- DisplayPort and dual channels LVDS
- Extended Operating Temp.: -20 ~ 70°C
- Realtek RTL8111 GbE controller

## System

CPU	Soldered onboard for Intel Elkhart Lake Celeron N6210 1.2GHz/ Atom® x6413E 1.5GHz Processor
Memory	1 x DDR4 SO-DIMM socket, up to 16GB DDR4 3200 MT/s SDRAM
BIOS	AMI BIOS
Watchdog Timer	1~255 levels reset

## I/O

Serial Port	6 x Serial Ports
USB Ports	4 x USB 2.0 ports 2 x USB 3.0/ 2.0 ports
Expansion	2 x Mini-card socket 1 x Micro SIM socket (for full size Mini-card)
Storage	2 x Serial ATA ports with 600MB/s HDD transfer rate
Ethernet Chipset	2 x Realtek RTL8111 GbE controller
Digital I/O	8-bit Programmable
Audio Interface	Mic-in/ Line-in/ Line-out

## Display

Graphic Interface	1 x DisplayPort 2 x Dual channel 24-bit LVDS ports
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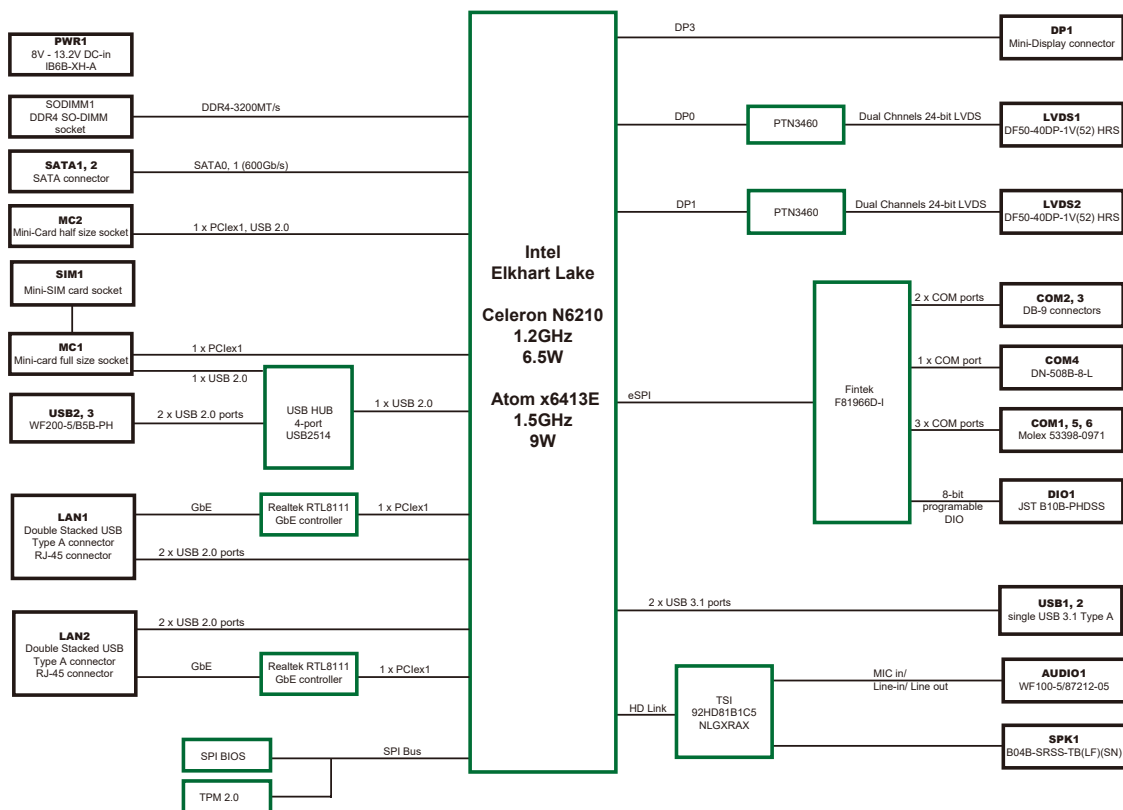
## OS Support

Windows 10 IoT Enterprise 64-bit
Linux: Ubuntu

## Mechanical & Environmental

Power Input	DC 8V ~ 13.2V
Power Consumption	TBD
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Dimension (L x W)	146 x 102 mm (5.7" x 4.0")

## Block Diagram



## Ordering Information

EmCORE-i2802-N6210	Intel Elkhart Lake Celeron N6210, 3.5" compact board
EmCORE-i2802-x6413E	Intel Elkhart Lake Atom x6413E, 3.5" compact board

## Optional Accessories

CBK-10-2802-00	<p>Cable kit</p> <ul style="list-style-type: none"> <li>2 x USB 2.0 cable (2 ports / cable)</li> <li>3 x COM ports cables</li> <li>1 x AUDIO cable</li> <li>2 x SATA cable</li> <li>2 x SATA power cable</li> </ul>
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