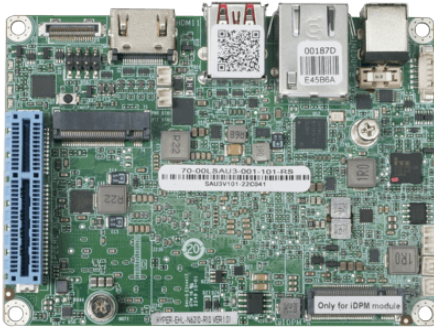


# HYPER-EHL

Pico-ITX SBC supports Intel® Celeron J6412/N6210 on-board SoC, with 4GB LPDDR4x memory on board default, with HDMI, iDPM, M.2 M key, USB 3.2, iSATA 6GB/s, COM, PCIe x4 for riser card and RoHS



## Features

- » Support Intel® Atom™ x6000 series / Pentium® / Celeron® processor (Elkhart Lake platform)
- » Support Intel® I225V 2.5GbE Ethernet controller
- » Support dual independent display via HDMI and iDPM
- » Support one PCIe x4 and one M.2 M Key expansions
- » Support two USB 3.2 Gen 2, two USB 2.0, with up to 10Gb/s transfer speed

## Specifications

|                          |   |
|--------------------------|---|
| Form Factor              |   |
| Form Factor              | Pico-ITX  |
| System                   |   |
| CPU                      | <ul style="list-style-type: none"> <li>» Onboard Intel® Atom™ x6000 series Celeron® processor (Elkhart Lake platform)</li> <li>» Intel® Celeron® J6412 on-board SoC (up to 2.6GHz, quad-core, 1.5M Cache, TDP=10W)</li> <li>» Intel® Celeron® N6210 on-board SoC (up to 2.6GHz, dual-core, 1.5M Cache, TDP=6.5W)</li> </ul> |
| Memory                   | LPDDR4x-3200Gbps 4GB, up to 8GB   |
| Memory Max.              | 8GB   |
| Physical Characteristics |   |
| Dimensions (LxWxH) (mm)  | 100mm x 72mm  |
| Net Weight               | 600g  |
| Storage                  |   |
| Storage                  | <ul style="list-style-type: none"> <li>1 x M.2(NGFF) : M key (2242, PCIe Gen3 X 2)</li> <li>1 x SATA : iSATA 6Gb/s</li> </ul>   |
| I/O Interface            |   |
| Display Output           | <ul style="list-style-type: none"> <li>1 x HDMI : up to 4096x2160 @ 30Hz</li> <li>1 x iDPM : support iEi eDP/ LVDS/ VGA module</li> </ul>   |
| Ethernet                 | <ul style="list-style-type: none"> <li>1 x LAN -</li> <li>LAN1: Intel® I225V 2.5GbE controller</li> </ul>   |
| I/O Interface            | <ul style="list-style-type: none"> <li>2 x External USB 3.2 Gen2x1 : 10Gb/s (Type A)</li> <li>1 x Internal RS-232/422/485 : 1x9 pin, P=1.25</li> <li>2 x Internal USB 2.0 : 2x4 pin, P=2.0</li> </ul>   |
| Expansion                | <ul style="list-style-type: none"> <li>1 x M.2(NGFF) : M key (2242, PCIe Gen3 X 2)</li> <li>1 x PCIe x4 (PCIe Gen3 x4)</li> </ul>   |
| Power                    |   |
| Power Consumption        | 12V@ 2.07A  |
|                          | (Intel® Celeron® J6412 CPU with 4 GB 3200 MHz LPDDR4x memory, max. loading, EuP mode enabled)   |
| Power Supply             | ATX/AT power supply   |
|                          | Support AT/ATX mode   |
|                          | ErP/EuP Compliant   |
| Environment              |   |

|                       |                         |
|-----------------------|-------------------------|
| Operating Temperature | 0°C~60°C                |
| Storage Temperature   | -30°C~70°C              |
| Humidity              | 5% ~95%, non-condensing |

## Ordering Information

|                       |   |
|-----------------------|---|
| HYPHER-EHL-N6210B-R10 | PICO-ITX SBC supports Intel® two-core Celeron® N6210 1.2GHz on-board SoC, with 4GB LPDDR4x memory on board default, with HDMI, iDPM, M.2 M key, USB 3.2, iSATA 6GB/s, COM, PCIe x4 for riser card and RoHS  |
| HYPHER-EHL-J6412B-R10 | PICO-ITX SBC supports Intel® quad-core Celeron® J6412 2.0GHz on-board SoC, with 4GB LPDDR4x memory on board default, with HDMI, iDPM, M.2 M key, USB 3.2, iSATA 6GB/s, COM, PCIe x4 for riser card and RoHS |

## Packing List

|                                      |                |
|--------------------------------------|----------------|
| 1 x HYPHER-EHL single board computer | 1 x SATA cable |
| 1 x QIG                              |                |