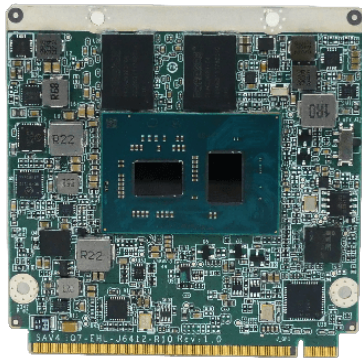


# iQ7-EHL

Qseven® Rev. 2.1 module supports Intel® Celeron® Processor J6412 (10W), with 8GB LPDDR4x memory on board default, Support DP, LVDS, 2.5GbE, SATA 6Gb/s, USB 3.1, Audio and RoHS



## Features

- » Intel® Elkhart Lake Celeron® J6412 on-board SoC
- » Support Intel® I225-V/I226-V 2.5 GbE Ethernet controller
- » Support dual independent displays via HDMI and LVDS (or eDP)
- » Support four PCIe Gen3 x1 for expansions
- » Support two USB 3.2 Gen2 and six USB 2.0

## Specifications

|                          |   |
|--------------------------|---|
| Form Factor              |   |
| Form Factor              | Qseven™ module  |
| System                   |   |
| CPU                      | Intel® Elkhart Lake Celeron® J6412 on-board SoC (up to 2.6GHz, quad-core, 1.5M Cache, TDP=10W)  |
| Memory                   | LPDDR4x-3200Gbps 8GB, up to 16GB  |
| Memory Max.              | 16GB  |
| Physical Characteristics |   |
| Dimensions (LxWxH) (mm)  | 70 x 70mm   |
| Storage                  |   |
| Storage                  | 2 x SATA : signal to baseboard, 6Gb/s   |
| I/O Interface            |   |
| Display Output           | 1 x HDMI™ : signal to baseboard, 4K @ 30Hz<br>1 x LVDS : colay with eDP   |
| Ethernet                 | 1 x LAN : 2.5 GbE Intel® I225-V/I226-V signal to baseboard  |
| I/O Interface            | 2 x External USB 3.2 Gen2x1 signal to baseboard (10 Gb/s)<br>1 x Internal RS-232 1 x UART signal to baseboard<br>6 x Internal USB 2.0 signal to baseboard |
| Expansion                | 4 x PCIe x1 : signal to baseboard   |
| Power                    |   |
| Power Supply             | 5V DC   |
| Environment              |   |
| Operating Temperature    | 0°C~60°C  |
| Storage Temperature      | -20°C~70°C  |
| Humidity                 | 5% ~95%, non-condensing   |

## Ordering Information

iQ7-EHL-J6412C-R10

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## Packing List

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|                                   |              |
|-----------------------------------|--------------|
| 1 x iQ7-EHL Single Board Computer | 1 x Heatsink |
| 1 x QIG                           |              |