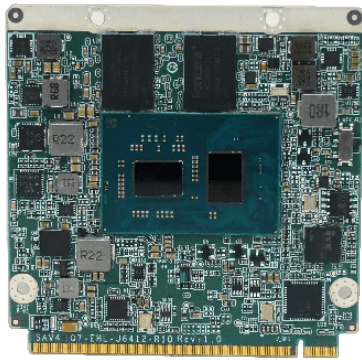


iQ7-EHL

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 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) 1 x Internal RS-232 1 x UART signal to baseboard 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

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