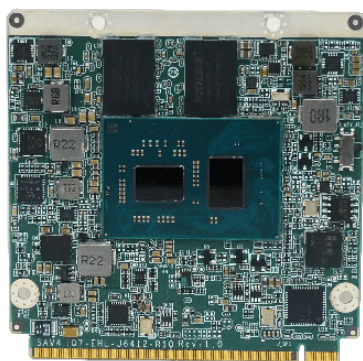


iQ7-EHL

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	