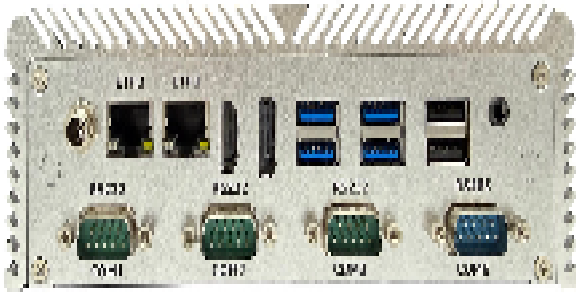


## Key Features



- Ultra Small, Palm size Fanless embedded system
- Intel Elkhart Lake Celeron J6412 processor
- DDR4-2666/2933/3200, 1 x SO-DIMM, up to 32GB
- Support triple displays for 2 x HDMI, 1 x LVDS/eDP
- Support 2 x M.2, 1 x Mini-PCIe
- 2 x Intel Gigabit Ethernet
- 7 x USB 2.0, 3 x USB 3.0, 6 x COM, 2 x HDMI, Optional 1 x GPIO
- DC 12V power input connector with lock or phoenix contact connector
- Wide Range VDC IN 9-36V(Optional)

## Specification

Processor	Intel Celeron J6412 CPU, Quad-Core, up to 2.6 GHz, TDP 10W
Memory	DDR4-2666/2933/3200, 1 x SO-DIMM, up to 32GB
Storage	1 x SATA 3.0, 1 x NVMe M.2, 1 x mSATA
Chipset	Intel SoC Integrated
Graphics	Intel UHD Graphics
Front I/O Interface	3 x USB 2.0
	3 x USB 3.0
	2 x HDMI
	1 x Line-Out + MIC 2 in 1 4.0mm Jack
	2 x RJ-45, Intel GBE LAN Chip (10/100/1000 Mbps)
	3 x RS-232, 1 x RS-232/485
	1 x 8-bit GPIO (Optional)
Rear I/O Interface	2 x COM, 2 x LAN, 2 x PoE, 2 x USB (Optional as expansion area)
	6 x Antennas holes for Wifi/BT/3G/4G/5G (Optional)
	Internal Connectros:
	4 x USB 2.0
	1 x LVDS/eDP Realtek ALC662 5.1 Channel HDA Codec
	2 x RS-232/TTL (COM 4/5, Header)
	1 x Power LED Header
	1 x Power Button Header
	1 x System Reset Header
	1 x HDD LED Header
1 x CPU FAN Header	
1 x MPS Header	
2 x GSPI Header	
1 x SIM Card Header	
Extensions	1 x M.2 (Key-M, 2280, PCIe x2 NVMe/ SATA) NVMe is default
	1 x M.2 (Key-B, 3052, PCIE/USB 3.0 + USB 2.0) USB 3.0 is default
	1 x Mini-PCIe (PCIe + USB 2.0/ mSATA) PCIe + USB 2.0 is default
Watchdog	1 - 255 steps by software program
Operating System	Windows 10, Windows 11, Linux
Operating Temp	-20°C to +70°C (-40°C to +85°C Optional)
Storage Temp	-20°C to +75°C
Relative Humidity	10% to 95% relative humidity, non-condensing
Weight/Dimension	1.2 Kg/ 182.12 x 130 x 59.85 mm
Install	VESA mount 100 x 100 mm, DIN Rail with DIN Rail bracket (Optional)
	Wall Mount with Wall Mount bracket (Optional)
Certification	CE, FCC

## Ordering Information

iBOX-804

Fanless Embedded PCS Intel® Celeron J6412 Processor w/o Expansion slots