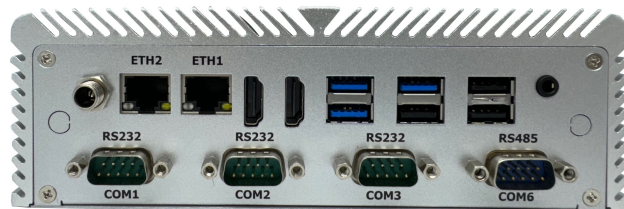


### Features

- 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)



### Core System

CPU	Intel Celeron J6412 CPU, Quad-Core, up to 2.6 GHz, TDP 10W
System Memory	DDR4-2666/2933/3200, 1 x SO-DIMM, up to 32GB
Chipset	Intel SoC Integrated
BIOS	AMI
Storage	1 x SATA 3.0, 1 x NVMe M.2, 1 x mSATA
Watchdog Timer	1 - 255 steps by software program
Expansion Slot	1 x M.2 (Key-M, 2280, PCIe x2 NVMe/ SATA) <b>NVMe is default</b> 1 x M.2 (Key-B, 3052, PCIe/USB 3.0 + USB 2.0) <b>USB 3.0 is default</b> 1 x Mini-PCIe (PCIe + USB 2.0/ mSATA) <b>PCIe + USB 2.0 is default</b>
Power Input	1 x DC 12V power input connector with lock Optional: Phoenix contact connector Optional: Wide range 9-36V
Dimensions	182.12 x 130 x 59.85 mm
Weight	1.2 kg
Operating Temperature	-20°C to +70°C (-40°C to +85°C Optional)
Storage Temperature	-20°C to +75°C
Humidity	10% to 95% relative humidity, non-condensing

### System I/O

USB	3 x USB 2.0 3 x USB 3.0
Display I/O	2 x HDMI
Audio I/O	1 x Line-Out + MIC 2 in 1 4.0mm Jack
LAN I/O	2 x RJ-45, Intel GBE LAN Chip (10/100/1000 Mbps)
Serial Port	3 x RS-232, 1 x RS-232/485
PS/2 Port	-
Others	1 x 8-bit GPIO (Optional) 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 Connectors

USB	4 x USB 2.0
Display I/O	1 x LVDS/eDP
Audio I/O	Realtek ALC662 5.1 Channel HDA Codec
Serial Port	2 x RS-232/TTL (COM 4/5, Header)
Parallel Port	-
GPIO	8 bit GPIO (Optional)
Others	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

### Graphics

Chipset	Intel UHD Graphics
VGA	-
HDMI	Up to 4096 x 2160 @ 30Hz
LVDS	Up to 1920 x 1200 @ 60Hz (default LVDS)
eDP	Up to 3840 x 2160 @ 60Hz (Optional)

### Others

OS Support	Windows 10, Windows 11, Linux
Certifications	CE / FCC
Mounting	VESA mount 100 x 100 mm, DIN Rail with DIN Rail bracket (Optional) Wall Mount with Wall Mount bracket (Optional)