Monolith-6000CA

Intel® Elkhart Lake
Celeron J6412 2.0GHz processor



Features

- Intel® Celeron® J6412 quad-core 2.0 GHz processor
- 1 x DDR4 3200MHz SODIMM, MAX 32GB
- 1 x 2.5 SATA HDD, 1 x M.2 2280 NVMe or SATA SSD
- 1 x M2.0 (2230, Wifi+BT)，1 x M2.0 (3042/3052，4G/5G)
- M12 I/O ports：1 x HDMI / 2 x LAN / 2 x USB / 1 x COM
- Aluminum alloy casing，Full system IP67 level dustproof & waterproof
- Support TPM2.0 hardware security
- Wide Operating Temperature -30°C to 70°C
- 9V to 36V DC Wide Range Power Input，Supporting OVP / OCP / RPP

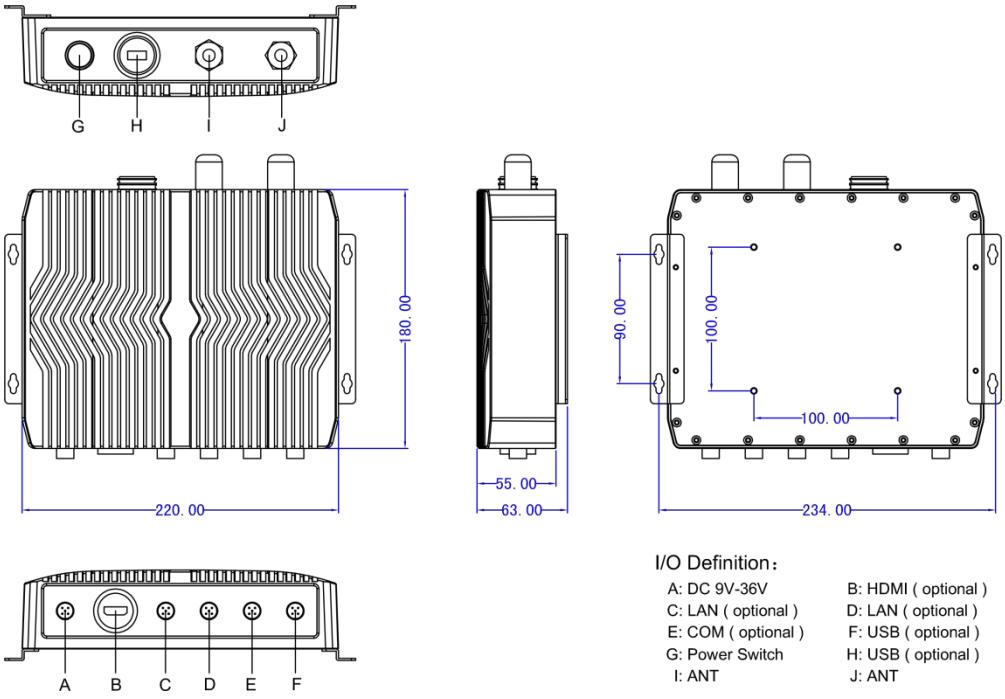
Specifications

System	
CPU	Intel® Elkhart Lake Celeron J6412 Quad-core 2.0GHz
L2 Cache	1.5MB
TDP	10W
System Chipset	Integrated with Intel® SoC
Memory	1 x DDR4L 3200MHz 4GB, MAX 32GB
Harddisk	1 x M.2 120G SSD (250G / 500G / 2TB SSD) / 1 x 2.5" SATA
Graphics	Intel® UHD Graphics for 10th Gen Intel® Processors
Network	Intel® 226-V GbE LAN
Audio	Realtek ACL897 Audio controller
TPM	TPM 2.0
Watchdog Timer	Software Programmable Supports 1~255 sec. System Reset
Operation System	Windows 10 / 11， Linux, Ubuntu
I / O	
VIDEO	1 x H-DMI
Ethernet	2 x M12 Waterproof Giga LAN RJ45 Connector
USB	2 x M12 Waterproof Connector For USB2.0
COM	1 x M12 Waterproof Connector For COM
Wireless Network	Optional （WiFi / Bluetooth / 4G / 5G ）
Other I/O Interface	1 x Power Switch
Expansion	
M.2	1*M.2 (Key-E, 2230, PCIe+USB, Wifi+BT)
	1*M.2 (Key-B, 3042/3052, PCIe/ USB 3.0+USB2.0, 4G/5G)
	1*M.2 (Key-M, 2280, NVMe/ SATA, SSD)
SIM Socket	1x SIM Socket
Power	
Power Adapter	1 x Optional AC/DC 12V/5A , 60W
Power Input	2-Pin M12 Power Input 9~36VDC，OVP / OCP / RPP
Power Consumption	≦25W

We reserve the right to change specifications and product descriptions at any time without prior notice.

Physical	
Material	Aluminum Alloy Shell
Color	Grey / Silver / Black (optional)
Product Dimension	220 x 180 x 55 mm
Mounting	232 x 90 mm / 100 x 100 mm
Packing Size	360 x 180 x 320 mm
Weight (Net)	1.5 KG
Environment	
Operating Temperature	-30~70°C (-22~158°F)
Storage Temperature	-40~85°C (-40~185°F)
Relative Humidity	5%~95%@40°C, non-condensing
Vibration Range	1.5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
IP Level	IP67 / IP69K
EMC	CE, FCC , Class A , ROHS

Dimension & I/O



I/O Definition：

A: DC 9V-36V	B: HDMI (optional)
C: LAN (optional)	D: LAN (optional)
E: COM (optional)	F: USB (optional)
G: Power Switch	H: USB (optional)
I: ANT	J: ANT

Ordering info

Available models	Description
Monolith-6000CA	Embedded Fanless Industrial Computer Intel® Elkhart Lake Celeron J6412 2.0GHz Processor

Packing list

1 x Standard product
1 x 60W PSU (Power Supply)
1 x Fixed support
2 x M12 Waterproof USB Cable 2M
1 x M12 Waterproof COM Cable 2M
2 x M12 Waterproof LAN Cable 2M
1 x Waterproof HDMI Cable 2M
1 x CD-ROM

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