Monolith-2000CD

Intel ® Elkhart Lake
Celeron J6412 / Atom X6425E processor



Features

- Intel® Celeron® J6412 quad-core 2.0 GHz processor
- 1 x DDR4 3200MHz SODIMM, MAX 32GB，1 x M.2 2280 SATA SSD
- 1 x M2.0 (2230, Wifi+BT)，1 x M2.0 (3042/3052，4G/5G)
- Supports dual independent display:1 x HDMI, 1 x DP
- 3 x Intel® 226-V 2.5GbE Ethernet, support WoL and PXE
- 2 x RS232/RS422/RS485，RS485 support automatic flow control
- Support TPM2.0 hardware security
- Wide Operating Temperature -30°C to 70°C
- 9V to 36VDC Wide Range Power Input，Supporting OVP / OCP / RPP

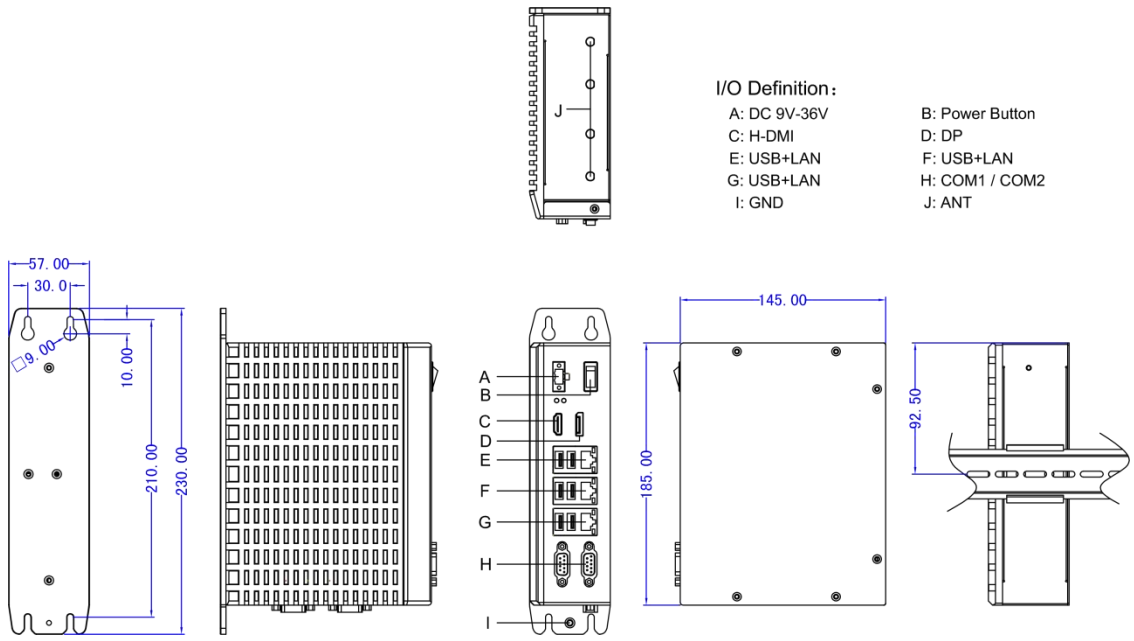
Specifications

System		
CPU	Intel® Elkhart Lake Celeron J6412 2.0GHz	Intel® Elkhart Lake Atom X6425E 2.0GHz
L2 Cache	1.5MB	1.5MB
TDP	10W	10W
System Chipset	Integrated with Intel® SoC	
Memory	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 DP / 1 x H-DMI	
Ethernet	3 x LAN 10/100/1000/2500 Mbps	
USB	4 x USB3.0 / 2 x USB2.0	
COM	2 x RS-232 / 422 / 485 (Adjustable through BIOS)	
Audio	1x Audio_out & Mic_in	
Wireless Network	Optional （WiFi / Bluetooth / 4G / 5G)	
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 SATA, SSD)	
Expansion	1*mPCe	
SIM Socket	1x SIM Socket	
Power		
Power Adapter	1 x Optional AC/DC 12V/5A , 60W	
Power Mode	Support AT, ATX Mode	
Power Input	2-pin Terminal Block Connector with Power Input 9~36VDC	
Power Protection	OVP (Over Voltage Protection)	OCP (Over Current Protection)	RPP （Reverse Polarity Protection）	
Power Consumption	≦30W	

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)
Mounting	210 x 30 mm / DIN-Rail
Product Dimension	185 x 145 x 57 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 Protection	1.5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis
EMC	CE, FCC，Class A，ROHS

Dimension & I/O



Ordering info

Available models	Description
Monolith-2000CD	Embedded Fanless Industrial Computer Intel® Elkhart Lake Celeron J6412 2.0GHz Processor
Monolith-2000XD	Embedded Fanless Industrial Computer Intel® Elkhart Lake Atom X6425E 2.0GHz Processor

Packing list

1 x Standard product
1 x 60W PSU (Power Supply)
1 x 35mm DIN-Rail buckle
1 x Wall mount
1 x CD-ROM