Monolith-5000JA

Intel® Bay Trail Celeron J1900 processor



Features

- Intel® Celeron® J1900 quad-core 2.0 GHz processor
- 1 x DDR3 1333MHz SDRAM, max.8GB, 1 x mSATA SSD
- 1 x M2.0 (2230, Wifi+BT)，1 x M2.0 3042，4G)
- 2 x Intel® 211 1GbE Ethernet, support WoL and PXE
- 2 x RS232/422/485, RS485 support automatic flow control
- Support TPM2.0 hardware security
- Wide Operating Temperature -20°C to 70°C
- 9V to 36VDC Wide Range Power Input，Supporting OVP / OCP / RPP

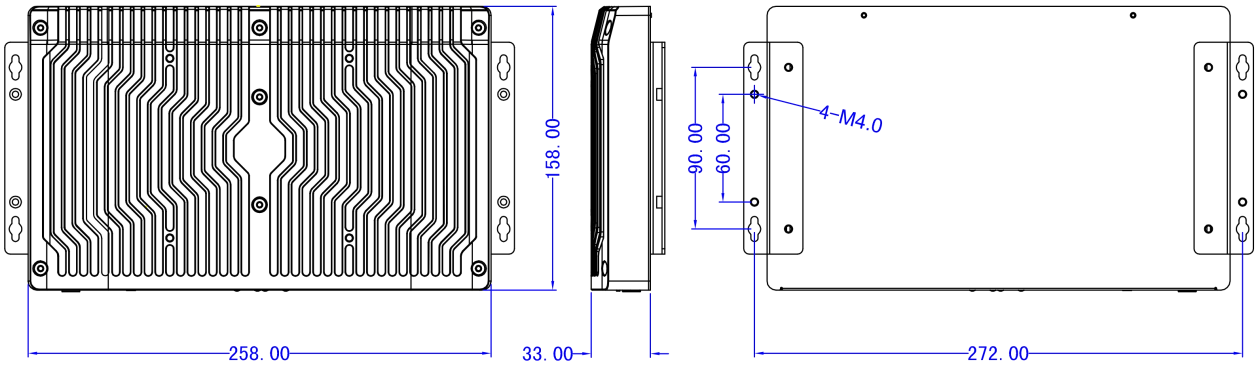
Specifications

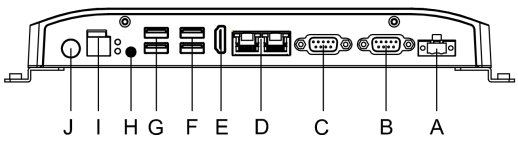
System	
CPU	Intel® Bay Trail Celeron J1900 Quad-core 2.0GHz
L2 Cache	2MB
TDP	10W
System Chipset	Integrated with Intel® SoC
Memory	1 x DDR3L 1333MHz 4GB, Up to 8GB
Harddisk	1 x mSATA 128G SSD（250G / 500G / 1TB SSD) / 1 x 2.5" SATA
Graphics	Intel HD Graphics
Network	Intel® I211-AT GbE LAN
Audio	Realtek ACL662 Audio controller
TPM	TPM 2.0
Watchdog Timer	Software Programmable Supports 1~255 sec. System Reset
Operation System	Windows 7 / 8 / 10， Linux, Ubuntu
I / O	
VIDEO	1 x H-DMI
Ethernet	2 x LAN (10/100/1000 Mbps)
USB	3 x USB2.0 / 1 x USB3.0
COM	2 x RS-232 / 422 / 485 (Adjustable through BIOS)
Audio	1x Audio_out & Mic_in
Wireless Network	Optional （WiFi / Bluetooth / 4G ）
Expansion	
M.2	1*M.2 (Key-E, 2230, PCIe+USB, Wifi+BT)
	1*M.2 (Key-B, 3042, USB2.0, 4G)
SIM Socket	1x SIM Socket
Power	
Power Input	2-pin Terminal Block Connector with Power Input 9~36VDC
Power Mode	Support AT, ATX Mode
Power Protection	OVP (Over Voltage Protection) | OCP (Over Current Protection) | RPP （Reverse Polarity Protection)
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)
Mounting	272 x 90 mm / 272 x 60 mm
Product Dimension	258 x 158 x 33 mm
Packing Size	360 x 180 x 320 mm
Weight (Net)	1.2 KG
Environment	
Operating Temperature	-20~70°C (-4~158°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





I / O Definition:

A: DC 9V~36V
B: COM1
C: COM2
D: 2 x LAN
E: H-DMI
F: 1 x USB 3.0 / 1 x USB 2.0
G: 2 x USB 2.0
H: Audio
I: Extension Switch
J: Power Button

Ordering info

Available models	Description
Monolith-5000JA	Fanless Industrial Computer Intel® Bay Trail Celeron J1900 2.0GHz Processor

Packing list

1 x Standard product
1 x 60W PSU (Power Supply)
1 x CD-ROM

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