Monolith-1000JA

Intel® Bay Trail
Celeron J1900 processor



Features

- Intel® Bay Trail Celeron J1900 2.0GHz
- 1x DDR3L 1333MHz 4GB. Max up to 8GB
- Dual independent display supported by VGA & HDMI
- 2x GbE supporting Wake-on-LAN and PXE
- 4*COM (RS232/R485 optional), 1*WiFi / Bluetooth/4G Optional
- 2-pin Terminal Block Connector with Power Input 12~24VDC
- -20°C~70°C extended operating temperature

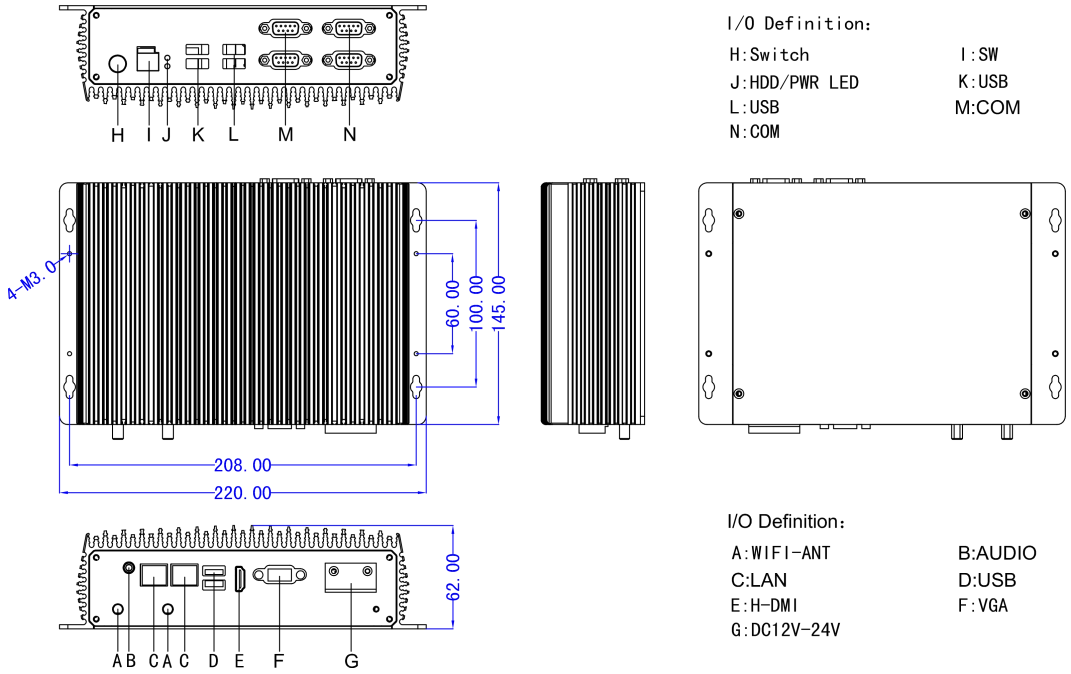
Specifications

System	
CPU	Intel® Bay Trail Celeron J1900 Quad-core 2.0GHz
L2 Cache	2.0MB
TDP	10W
System Chipset	Integrated with Intel® SoC
Memory	DDR3L 1333MHz 4GB, Up to 8GB
Harddisk	1 x mSATA 128G SSD / (256G / 500G / ITB SSD) optional
Graphics	Intel HD Graphics
Network	Intel® 226-V GbE LAN
Audio	Realtek ACL662 Audio controller
Watchdog Timer	Software Programmable Supports 1~255 sec. System Reset
Operation System	Windows 7 / 8 / 10 ， Linux, Ubuntu
I / O	
VIDEO	1 x VGA / 1 x H-DMI
Ethernet	2 x LAN 10/100/1000/2500 Mbps
USB	5 x USB2.0 / 1 x USB3.0
COM	4 x RS232
Audio	1x Audio_out & Mic_in
Wireless Network	Optional （WiFi / Bluetooth / 4G / ）
Power	
Power Adapter	1 x Optional AC/DC 12V/4A , 48W
Power Input	2-pin Terminal Block Connector with Power Input 12~24VDC
Power Consumption	≦20W
Physical	
Material	Aluminum Alloy Shell
Color	Grey / Silver / Black (optional)
Mounting	208 x 100 mm / 208 x 60 mm
Product Dimension	220 x 145 x 62 mm
Packing Size	360 x 180 x 320 mm
Weight (Net)	1.5 KG

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

Environment	
Operating Temperature	-20~70°C （-4~158°F）
Storage Temperature	-30~80°C (-22~176°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
EMC	CE, FCC，Class A，ROHS

Dimension & I/O



I/O Definition:

H:Switch
I:SW
J:HDD/PWR LED
K:USB
L:USB
M:COM
N:COM

I/O Definition:

A:WIFI-ANT
B:AUDIO
C:LAN
D:USB
E:H-DMI
F:VGA
G:DC12V-24V

Ordering info

Available models	Description
Monolith-1000JA	Embedded Fanless Industrial Computer Intel® Bay Trail Celeron J1900 2.0GHz Processor
Monolith-1000OA	Embedded Fanless Industrial Computer Intel® Bay Trail Core i3-6100U 2.4GHz Processor
Monolith-1000PA	Embedded Fanless Industrial Computer Intel® Bay Trail Core i5-6200U 2.5GHz Processor

Packing list

1 x Standard product
1 x 60W PSU (Power Supply)