Monolith-1000OA

Intel® Bay Trail
Core i3-6100U / i5-6200U processor



Features

- Intel® Bay Trail Core i3-6100 / i5-6200U
- 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

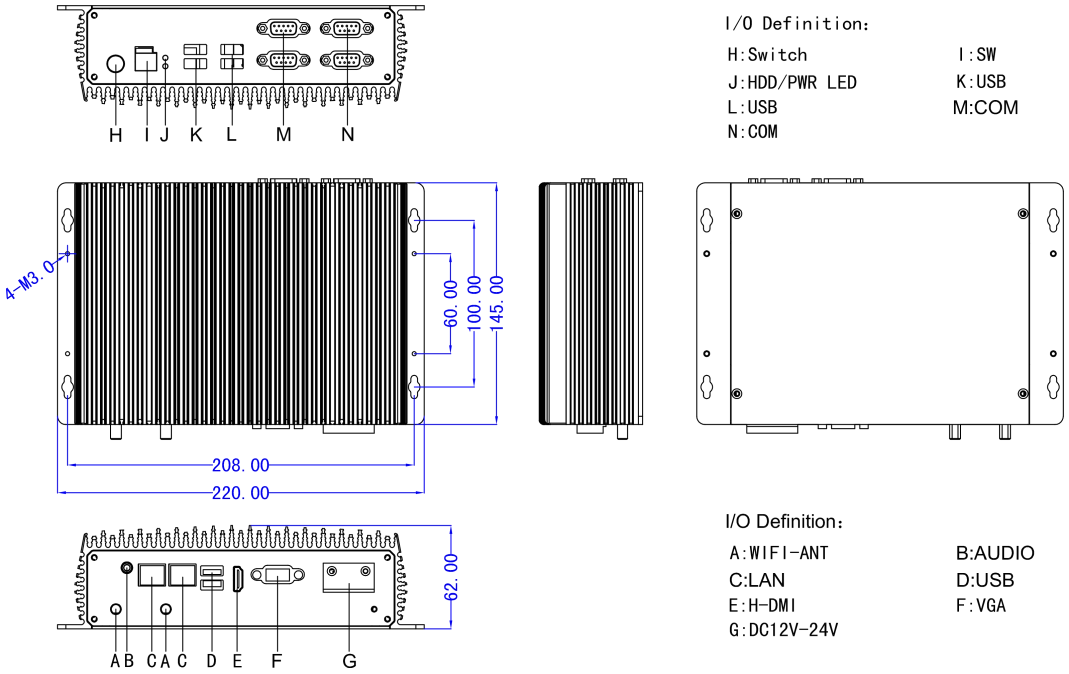
Specifications

System		
CPU	Intel® Bay Trail Core i3-6100U Dual Core 2.4GHz	Intel® Bay Trail Core i5-6200U Dual Core 2.5GHz
L2 Cache	3.0MB	3.0MB
TDP	15W	15W
System Chipset	Integrated with Intel® SoC	
Memory	DDR4L 2133MHz 4GB, Up to 16GB	
Harddisk	1 x mSATA 128G SSD / (256G / 500G / ITB SSD) optional	
Graphics	Intel HD Graphics 520	
Network	Intel® I211-AT 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
J:HDD/PWR LED
L:USB
N:COM
I:SW
K:USB
M:COM

I/O Definition:

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

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)