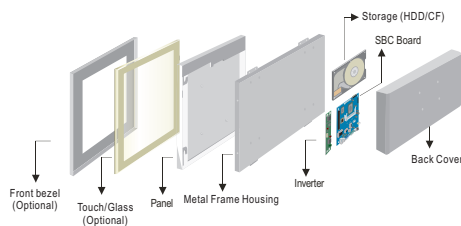
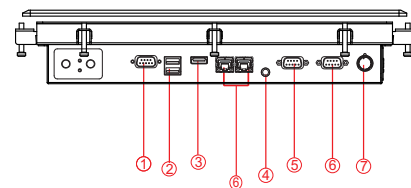


R12IB3S-PMM2 12.1" Panel PC (Intel® Celeron® Bay Trail-M N2930 1.83GHz)

Mechanical Design



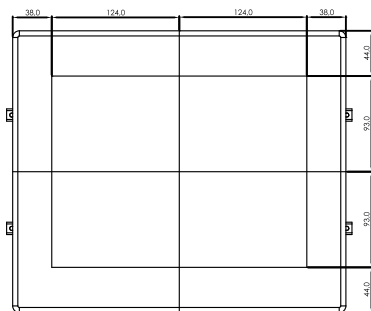
Mechanical design



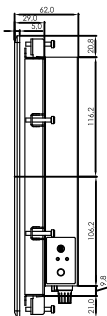
1. RS232/422/485 (default RS232)
2. USB
3. HDMI
4. 2xRJ45
5. DC-in 12V
6. RS232/422/485 (Optional)
7. Brightness/Adjustment

Panel Mount (6 mm front bezel)

FRONT VIEW

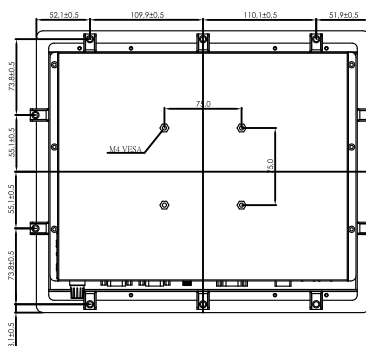


SIDE VIEW



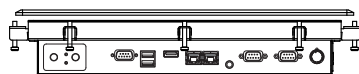
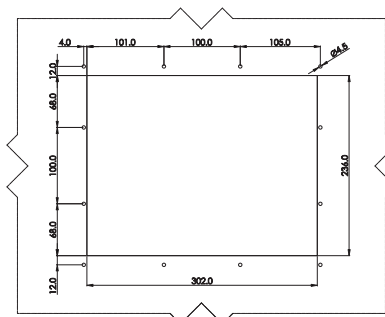
Dimensions

BACK VIEW



Fully Integrated I/O

Cut Out



BOTTOM VIEW

ALL DIMENSION ARE ± 0.5

CUT OUT DIMENSION(262*212mm)

- * Total dimension: 284 x 234 x 82 mm
- * Cutout dimension: 261 x 202 mm
- * Measurements shown in mm
- * Tolerance of all dimensions is shown as follow 0~30 mm ± 0.1 mm, 30~50 mm ± 0.15 mm, 50~120 mm ± 0.2 mm, above 120 mm ± 0.25 mm
- * Note: this is a simplified drawing and some components are not marked in detail. Please contact our sales representative if you need further product information.

Specifications

System :

- CPU : Intel® Celeron® Bay Trail-M N2930 1.83GHz
- Memory Slot : DDR3 1066 MHz SO-DIMM Slot, Max. 8GB
- System Chipset : Intel ATOM SoC Integrated
- IDE/SATA : 1 x SATA II
- LAN : Intel WG82574L GbE LANx2
- Audio Codec : Realtek ALC886 HD Audio Codec

Panel Spec :

- Size/Type : 12.1" TFT
- Resolutions : 1024 x 768
- Brightness : 500 cd/m² (typ.)
- Contrast Ratio : 700 : 1 (typ.)
- Viewing Angles : -80~80(H); -70~70(V)
- Max Colors : 16.2M(8bit)

Input / Output :

- Serial Ports : 1 x RS-232, 1 x RS-232/422/485
- USB Ports : 1 x USB 3.0, 1 x USB 2.0
- Ethernet : 2 x RJ45-10/100/1000 Mbps
- HDMI : 1 x HDMI
- Power : 1 x DC-in Power Jack(+12V)

Environment Considerations :

- Operating Temperature : 0 deg.C to 45 deg.C
- Operating Humidity : 30% to 90% (non condensing)

OS BSP / Driver Support :

- Support Windows Embedded 8* / Windows Embedded 7

* For Windows Embedded 8, this panel PC supports the Metro UI, but does not support the Snap View feature

Expansion Slot :

- 2 x Mini PCIe (1 for WiFi, 1 for SATA SSD)

Power Specifications :

- Power Input : 12V DC IN (Lockable Power Jack)
- Power Consumption : 32W (typ.)(Max.backlight & high CPU load)

Accessories :

- External Adapter : 110~230V Ac-in Power Adapter

Order Options :

Mechanical : Panel Mount

Touch : 5-Wires Resistive(Optional)
AR Glass (Optional)

(A customized housing is needed if you have demands of SAW/IR/IT/SC touch)

Storage : 2.5" HDD/ mSATA

RAM : DDR3 1066 Max 8GB

OS : Windows Embedded 8 /
Windows Embedded 7



Rev.	Reasons	Revised Date
1.0	First release	Apr.01.14
1.1	Spec change	Apr.15.14
1.2	Spec change	Jun.5.14

Note: All Specifications are subject to change without prior notice!

Revised Date:06/05/2014