

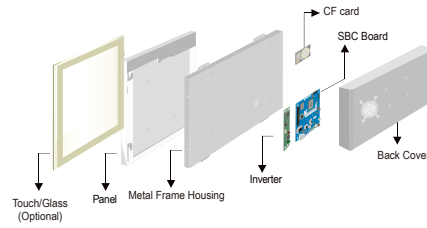
# R08IB3S-IPU1 8.4" Panel PC (Intel® Celeron® Bay Trial-M N2930 1.83GHz)

## Mechanical Design

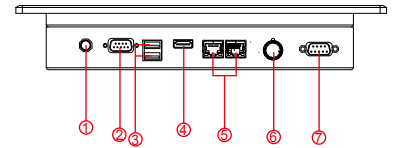


**IP65 (8mm front bezel)**

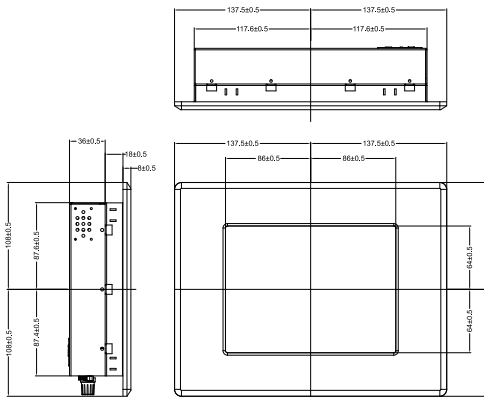
FRONT VIEW



**Modularized Construction**

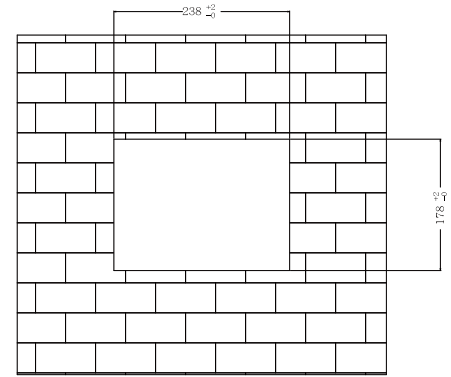
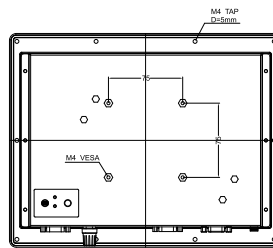


1. DC-in 12V.
2. RS232 Conn.
3. 1 x USB 3.0, 1 x USB 2.0
4. HDMI
5. 2 x RJ45
6. Dimming Knob
7. RS232



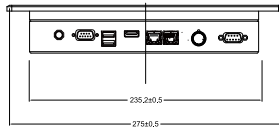
SIDE VIEW

BACK VIEW



**CUT OUT**

Measurements shown in mm  
All Dimensions are ± 0.5 mm



BOTTOM VIEW

\* 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 Trial-M N2930 1.83GHz
- Memory Slot : SODIMM DDR3L 1600/1333 max. 8G
- System Chipset : Intel® ATOM SoC Integrated
- IDE/SATA : 1 x SATA II
- LAN : Intel® I210-AT GbE LANx2
- Audio Codec : Realtek ALC886 HD Audio Codec

### Input / Output :

- Serial Ports : 1 x RS232, 1 x RS232/422/485
- 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) • Default setting:RS232

### Expansion Slots:

- 1 x Mini PCIe slot (for wireless module)
  - 1 x Mini PCIe slot (for SATA SSD)
- \* A customized housing is needed if you would like to have the PCI expansion.

### Power Specifications :

- Power Input : 12V DC-IN Power input
- Power Consumption : 35W (typ.)(Max.backlight & high CPU load)

### Accessories :

- External Adapter : 110~240V Ac-in Power Adapter

### Security Support :

- Trusted Platform Module (TPM 1.2)

### Panel Spec :

- Size/Type : 8.4"TFT
- Resolutions : 800x600
- Brightness : 600 (typ.)
- Contrast Ratio : 600: 1 (typ.)
- Viewing Angle : -75~75(H);-60~70(V)
- Max Colors : 16.2M(8bits/color)

### Environment Considerations :

- Operating Temperature : 0 deg.C to 50deg.C
- Operating Humidity : 30% to 90% (non condensing)

### OS BSP / Driver Support :

- Support Windows 10 IoT Enterprise / Windows Embedded 8 \* / Windows Embedded 7

\*For Windows Embedded 8, this panel PC does not support the Metro UI, only the desktop mode

### Order Options :

Mechanical	IP65 (8mm bezel)	Storage	2.5" HDD / mSATA
Touch	4 Wires Resistive (Optional)	RAM	SODIMM DDR3L 1600/1333 max. 8G
	AR Glass (Optional)	OS	Windows 10 IoT Enterprise / Windows Embedded 8 / Windows Embedded 7



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

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