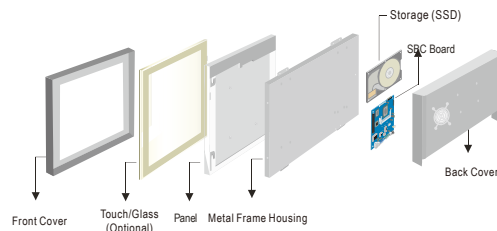


# R12IB7T-CHM2WT 12.1" Panel PC (Intel® Celeron® Bay Trail-M N2930, 1.83 GHz)

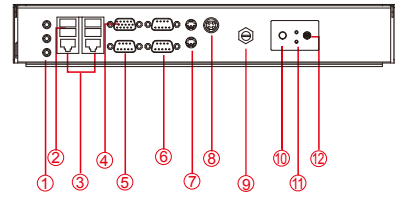
Mechanical Design



Chassis



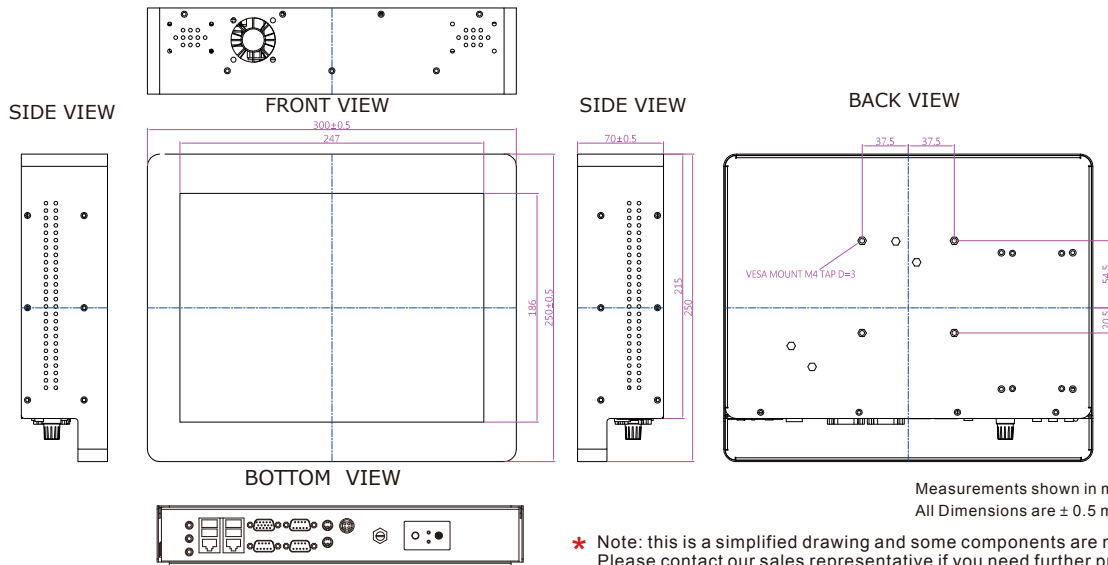
Mechanical design



1. Audio Jack
2. USB
3. RJ-45
4. VGA Out
5. RS-232/422/485 Conn.
6. RS-232 Conn.
7. PS/2
8. DC IN Power Jack
9. Brightness Adjustment Knob
10. Power / HDD LED
11. Power On Button
12. Power Reset Button

Fully Integrated I/O

Dimensions



\* 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, 1.83 GHz
- Memory Slot : SODIMM DDR3L 1600/1333, max. 8GB
- System Chipset : Intel Atom SoC Integrated
- IDE/SATA : 1 x SATA II
- LAN : Intel I210-AT GbE LAN x 2
- Audio Codec : Realtek ALC886 HD Audio Codec
- Storage : mSATA SSD 64GB (Default)

### Input / Output :

- Serial Ports : 2 x RS232, 1 x RS232/422/485
- USB Ports : 1 x USB 3.0, 3 x USB 2.0
- Keyboard / Mouse : 2 x PS/2
- Ethernet : 2 x RJ45-10/100/1000 Mbps
- VGA : 1 x VGA (female)
- Audio : Line-out, Line-in, Mic in
- Power : 1 x DC-in Power Jack(+12V) • Default: RS232

### Expansion Slot :

- Mini PCIe : 2 x Mini PCIe (1 for WiFi, 1 for 3G Module)
- eDP : 1 x eDP by 2x10 DF-13 connector

### Environment Considerations :

- Operating Temperature : -20°C to 60°C
- Operating Humidity : 30% to 90% (non-condensing)

### Panel Spec :

- Size/Type : 12.1" TFT
- Resolutions : 1024x768
- Brightness : 500cd/m (typ.)
- Contrast Ratio : 700 : 1 (typ.)
- Viewing Angle : -80~80(H); -70~70(V)
- Max. Colors : 16.2M / 262K colors

### Power Specifications :

- Power Input : 12V DC
- Power Consumption : 36W (typ.)(Max.backlight & high CPU load)

### Accessories :

- External Adapter : 110~240V AC

### Order Options :

- Touch : 5 Wires Resistive (Optional)
- RAM : SODIMM DDR3L 1600/1333, max. 8GB
- OS : Windows 10 IoT Enterprise  
Windows 7 Embedded  
Windows 8 Embedded