R10IB3S-OFP1 10.4" Panel PC (Intel® Celeron® Bay Trial-M N2930 1.83GHz)
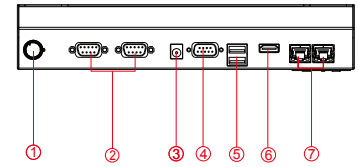
Mechanical Design

Open Frame

Mechanical design

Touch/Glass (Optional) Panel Metal Frame Housing Inverter Storage (HDD) SBC Board Back Cover
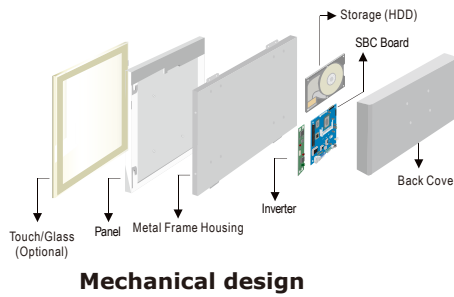
1. Brightness / Adjustment
2. RS232
3. DC-in 12V
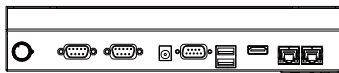4. RS232/422/485 (Default RS232)
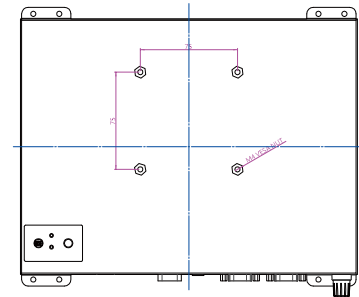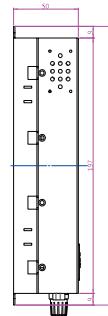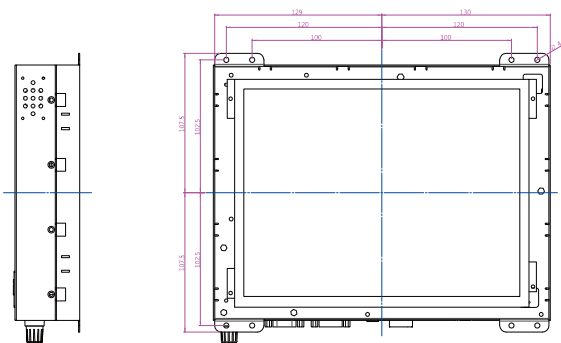5. USB 3.0/2.0
6. HDMI
7. 2 x RJ45

Fully Integrated I/O

Dimensions

FRONT VIEW

SIDE VIEW

BACK VIEW

BOTTOM VIEW

* 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 ± 0.25mm
* 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 LAN x 2
- Audio Codec : Realtek ALC886 HD Audio Codec

Input / Output :

- Serial Ports : 2 x RS232, 1 x RS232/422/485
- USB Ports : 1 x USB 3.0, 1 x USB 2.0
- Keyboard / Mouse : 2 x PS/2
- Ethernet : 2 x RJ45-10/100/1000 Mbps
  ● Default setting:RS232

Expansion Slot :

- 2 x Mini PCIe (1 for WiFi, 1 for 3G Module)
  * A customized housing is needed if you would like to have the PCI expansion.

Power Specifications :

- Power Input : 12V DC IN
- Power Consumption : 37W (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 : 10.4" TFT
- Resolutions : 800 x 600
- Brightness : 600 cd/m² (typ.)
- Contrast Ratio : 400 : 1(typ.)
- Viewing Angle : -70~70(H);-70~60(V)
- Max. Colors : 16.2M (8 bits)

Environment Considerations :

- Operating Temperature : 0 °C to 50°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 : Open Frame	Storage : 2.5" HDD/ mSATA SSD
Touch : 5-Wires Resistive (Optional) AR Glass (Optional)	RAM : SODIMM DDR3L 1600/1333 max. 8G
	OS : Windows 10 IoT Enterprise/ Windows 8 embedded/ Windows 7 embedded (Optional)
(A customized housing is needed if you have demands of SAW/IR/IT/SC touch)	