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

Mechanical   Design

Open Frame

Touch/Glass (Optional) Panel Metal Frame Housing Inverter Storage (HDD) SBC Board Back Cover

Mechanical design

① ② ③ ④ ⑤ ⑥ ⑦
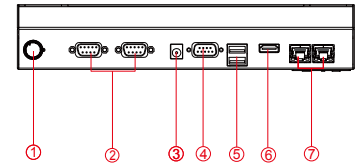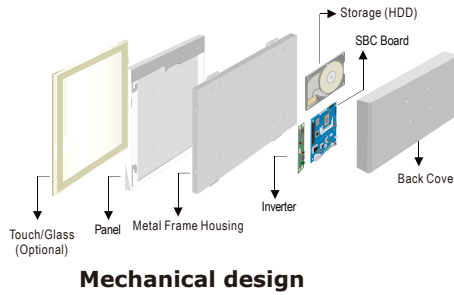
1.Brightness / Adjustment
2.RS232
3.DC-in 12V
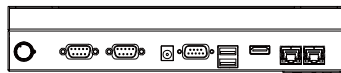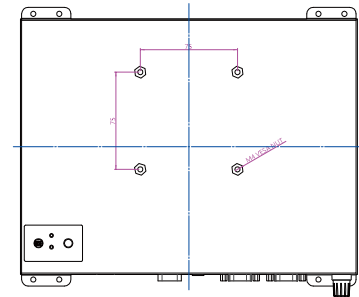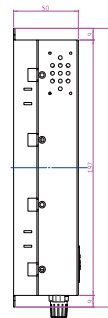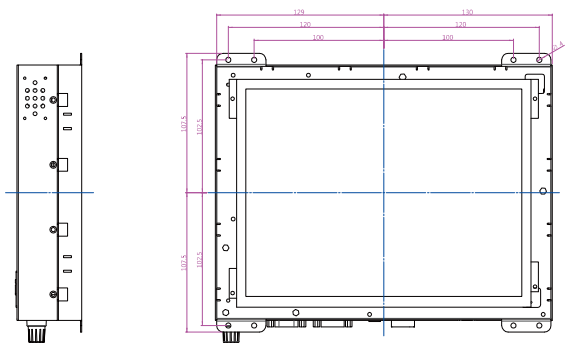4.RS232/422/485 (Default RS232)
5.USB 3.0/2.0
6.HDMI
7.2 x RJ45

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
(A customized housing is needed if you have demands of SAW/IR/IT/SC touch)	OS : Windows 10 IoT Enterprise/ Windows 8 embedded/ Windows 7 embedded (Optional)

CE FC RoHS COMPLIANT 2002/95/EC

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

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