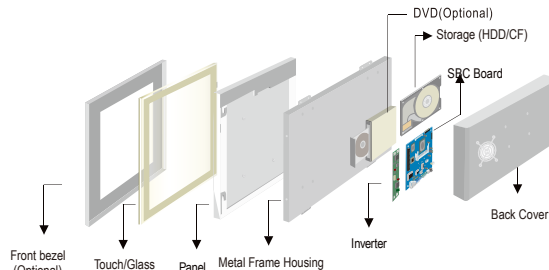


R19IB7T-PMA1 19" Panel PC (Intel Celeron Bay Trial-M N2930 1.83GHz)

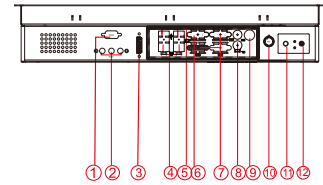
Mechanical Design



Panel Mount (8 mm front bezel)

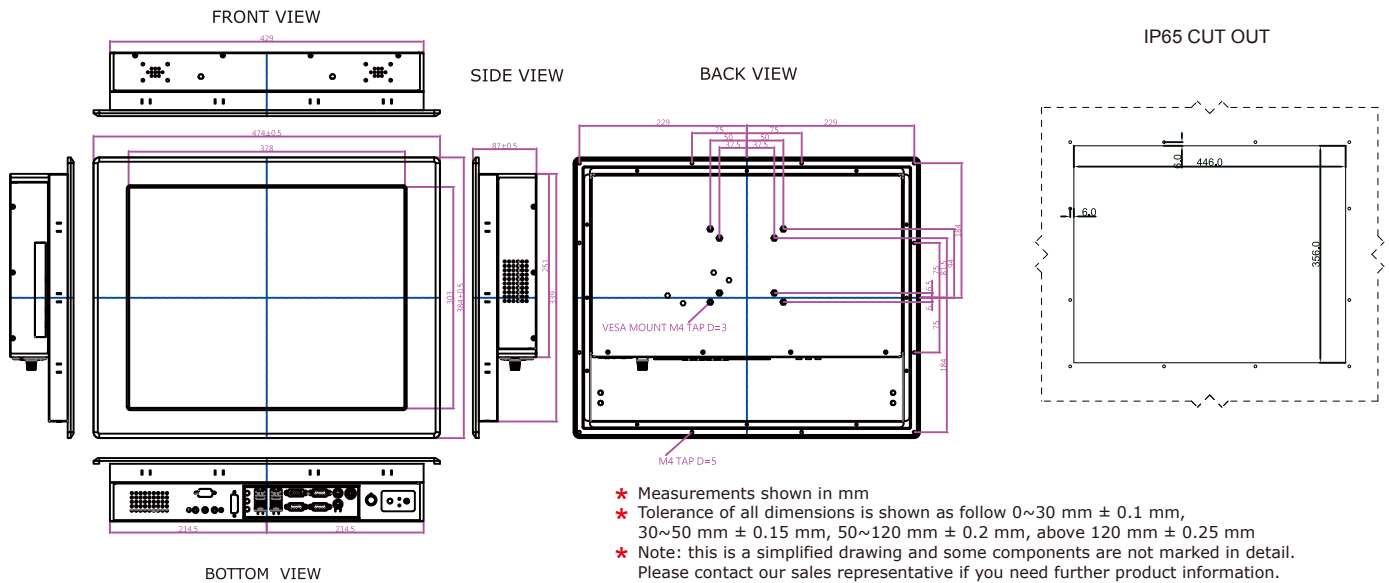


Mechanical design
Dimensions



1. RS-232 Conn. (Optional)
2. Audio
3. DVI(Optional)
4. LAN
5. USB(1 x 3.0, 3 x 2.0)
6. VGA
7. RS-232 Conn.
8. PS/2
9. 12V DC-IN
10. Brightness Adjustment Knob
11. Power On Button
12. Power Reset Button

Fully Integrated I/O



- * 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 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

Panel Spec :	
• Size/Type	: 19" TFT
• Resolutions	: 1280 x 1024
• Brightness	: 400 cd/m ² (typ.)
• Contrast Ratio	: 1000 : 1(typ.)
• Viewing Angle	: -85~85(H); -80~80(V)
• Max. Colors	: 16.7M (8 bits/colors)

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

[○] Default setting: RS232

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

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

OS BSP / Driver Support :	
• Support	Windows 10 IoT Enterprise / Windows embedded 8 / Windows embedded 7

Power Specifications :	
• Power Input	: 12V DC IN
• Power Consumption	: 57W (typ.)(Max.backlight & high CPU load)

Order Options :	
Mechanical : Panel Mount (8 mm bezel)	Storage : 2.5" HDD/ mSATA SSD
Touch : 5-Wires Resistive (Optional)	RAM : SODIMM DDR3L 1600/1333 max. 8G
AR Glass(Optional)	OS : Windows 10 IoT Enterprise
(A customized housing is needed if you have demands of SAW/IR/IT/SC touch)	Windows 7 embedded / Windows 8 embedded (Optional)

Accessories :	
• External Adapter	: 110~240V Ac-in 12V DC-output Power Adapter

Security Support :	
• Trusted Platform Module (TPM 1.2)	

