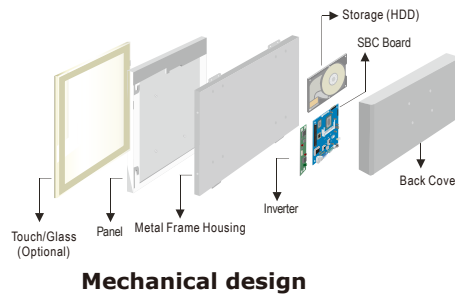
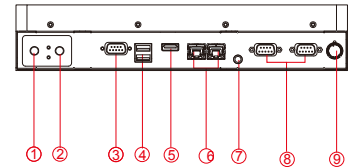


R12IB3S-CHM2 12.1" Panel PC (Intel® Celeron® Bay Trial-M N2930 1.83GHz)

Mechanical Design

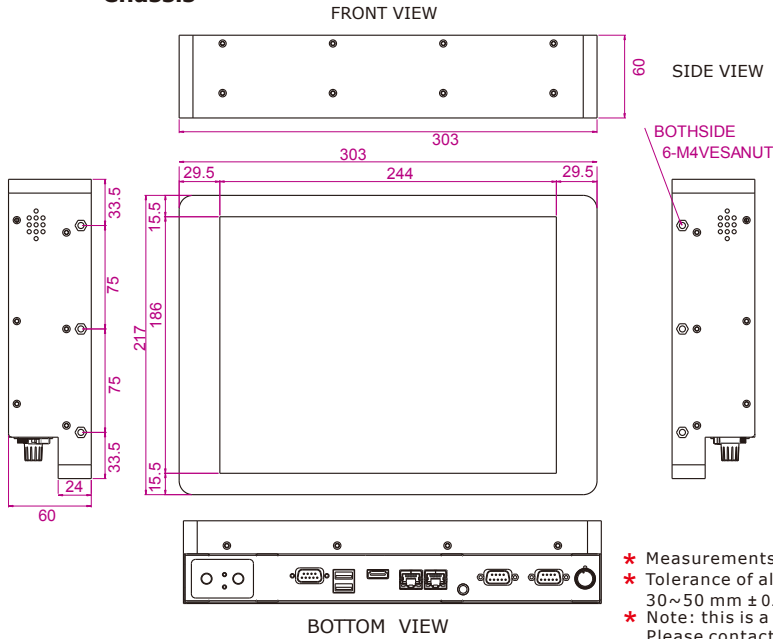


Mechanical design

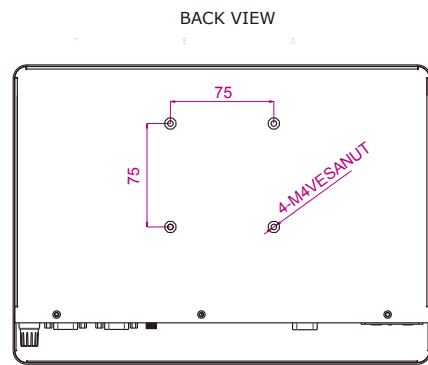


- 1.Reset
- 2.Power
- 3.RS232/422/485 (default RS232)
- 4.USB
- 5.HDMI
- 6.2x RJ45
- 7.DC-in 12V
- 8.2xRS232(Optional)
- 9.Brightness/Adjustment

Chassis



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 ± 0.25mm
- * 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 1066/1333 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 : 12.1" TFT
- Resolutions : 1024 x 768
- Brightness : 500 cd/m² (typ.)
- Contrast Ratio : 700 : 1(typ.)
- Viewing Angle : -80~80(H);-70~70(V)
- Max. Colors : 16.2M(8bit)

Input / Output :

- Serial Ports : 2 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

Environment Considerations :

- Operating Temperature : 0 deg.C to 45 deg.C
- Operating Humidity : 30% to 90% (non condensing)

Expansion Slot :

- 2 x Mini PCIe (1 for WiFi, 1 for SATA SSD)

OS BSP / Driver Support :

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

*For Windows Embedded 8, this panel PC supports the Metro UI, but does not support the Snap View feature

Power Specifications :

- Power Input : 12V DC IN (Lockable Power Jack)
- Power Consumption : 32W (typ.)(Max.backlight & high CPU load)

Order Options :

Mechanical : Chassis	Storage : 2.5" HDD/ mSATA
Touch : 4 Wires Resistive(Optional) AR Glass (Optional)	RAM : SODIMM DDR3L 1066/1333 max. 8G
	OS : Windows 10 IoT Enterprise Windows Embedded 8 / Windows Embedded 7

Accessories :

- External Adapter : 110~230V Ac-in Power Adapter

Security Support :

- Trusted Platform Module (TPM 1.2)



SCIGATE AUTOMATION (S) PTE LTD
 No.1 Bukit Batok Street 22 #01-01 Singapore 659592
 Tel: (65) 6561 0488 Fax: (65) 6562 0588
 Email: sales@scigate.com.sg Web: www.scigate.com.sg
 Business Hours: Monday - Friday 8.30am - 6.15pm



date: 12-Jul-2017 V1.4

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