Instruction

Directory

YP-01170110-1

IMPORTANT SAFETY INSTRUCTIONS

- Please read User Guide before using this product.

- Please keep User Guide for future reference.

- Please read the cautions to prevent possible danger and loss of property.

CAUTIONS

- Please do not place the display screen towards the ground.

- Avoid heavy impact or drop onto the ground.

- The fuselage is external, close a power source, allocate away mains lead if should be clean, quality cloth cleans with tiny wet soft when clean screen, in order to not lose trifling soft of cotton please.

- Please do not block any vent hole.

- Strictly forbid the machine presumptuously dismantling or keeping the machine, otherwise, possibility damage in repair.

- Do not place with your equipment or accessory and other inflammable liquid, the gas or other explosive articles place together, to avoid happening dangerous.

Q&A

1. **Power Issues cannot power on**

Please check the connector plugs and connector jack.

Ps：Please make sure that power switch cable connected well to avoid unnecessary problems.

2. **Screen Issues**

No display.

Implement time last long when click on functions, which result in can't be activated.

Delaying or stagnating when pictures switch.

Please restart the device when above-mentioned issues happen.

Touch screen don't response to clicks correctly.

Please calibrate the touch screen. （see more details on "Touch screen calibration"）

Screen displays blurred.

Please check whether screen has dustiness or not. Please clean it with soft cloth, which do not litter flocking.

Note: Due to constant effort to improve products and product features, specifications may change without notice.

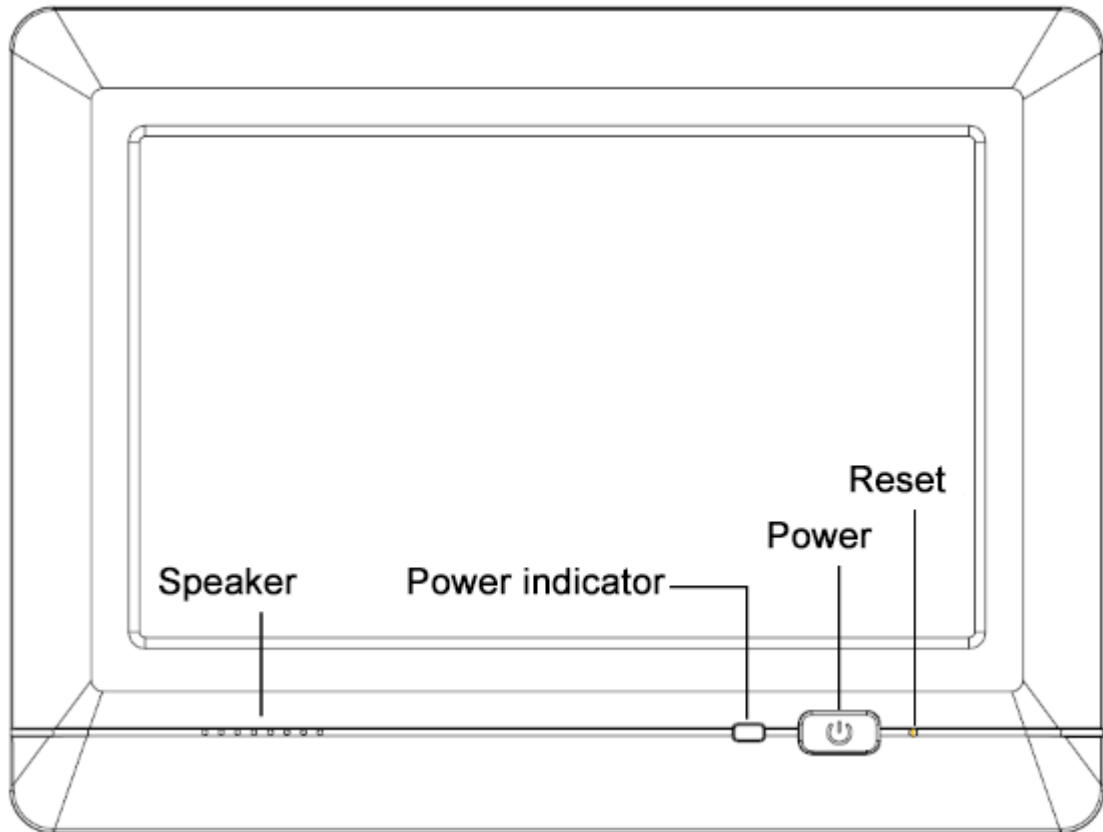# 1. INTRODUCTION

Overview

It's a highly performance embedded industrial control device, which has a core CPU of TI3352 processor (based on ARM Cortex-A8) with Windows Embedded Compact7 / Linux Debian7.0 operating system. With features of rich resources, interfaces, low consumption and high reliability, etc.

Features

- Reliable TI 3352 600MHz processor.
- ARM Cortex-A8 architecture.
- RAM: DDR3-512MB.
- ROM: 4GB eMMC Flash.
- Built-in 2600mAh battery.
- Extensions: RS232, RS422, LAN, TF, SIM&USB.
- 3G/ Wi-Fi / GPS for optional.
- 7" 800×480 resistive touch.
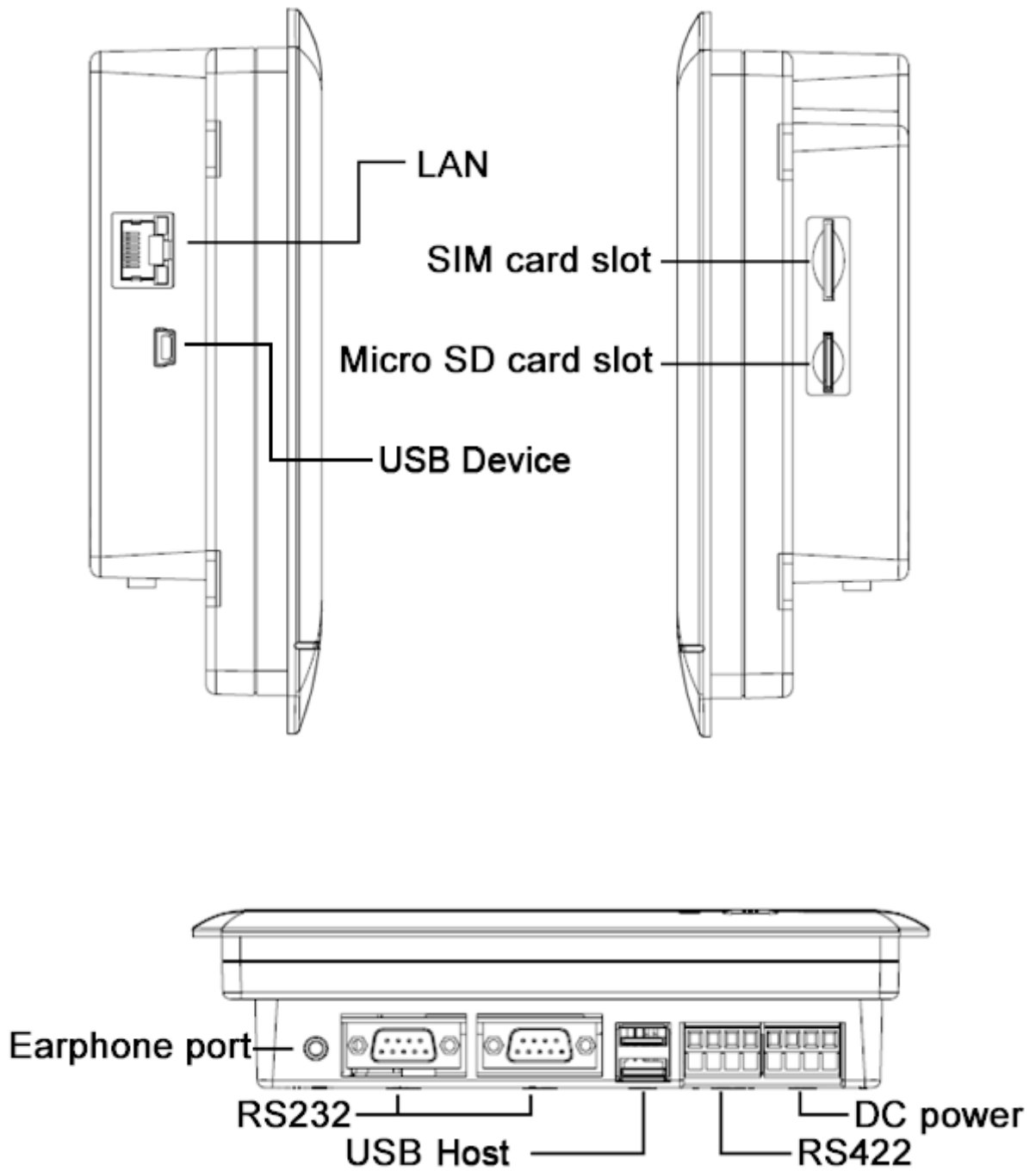- 300cd/㎡ high brightness.
- 500:1 high contrast.

Front Panel

Buttons	Description
Speaker	Speaker
Power indicator	① If without battery, the indicator light is green when power on; and the indicator light is off when power off. ② If with battery, and the battery is not fully charged, the light is red when power on; the light is green when battery fully charged; the light is red when battery charging after power off; the light is green when battery fully charged after power off.
Power	Press to turn ON / OFF the monitor.
Reset	System restart

Rear Panel
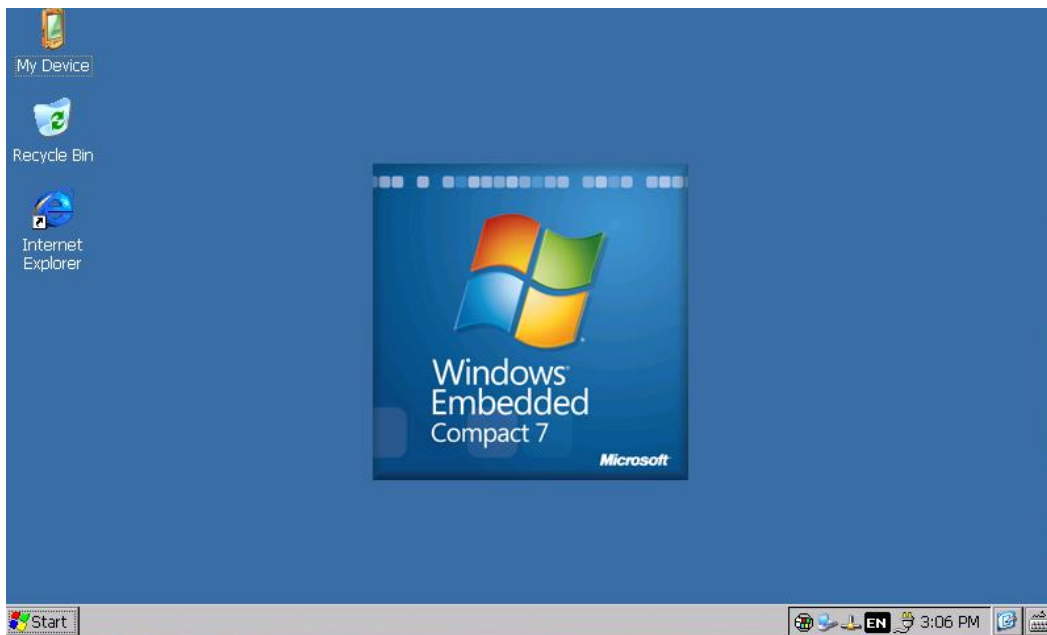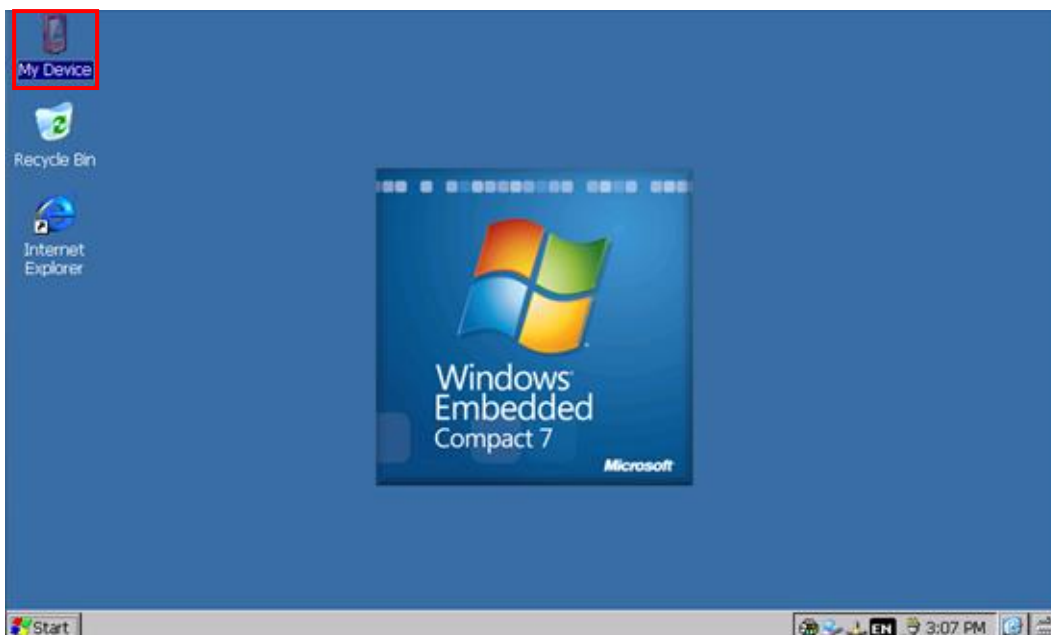
Touch screen calibration

If the touch screen can't respond to your click, please run the touch screen calibration program.
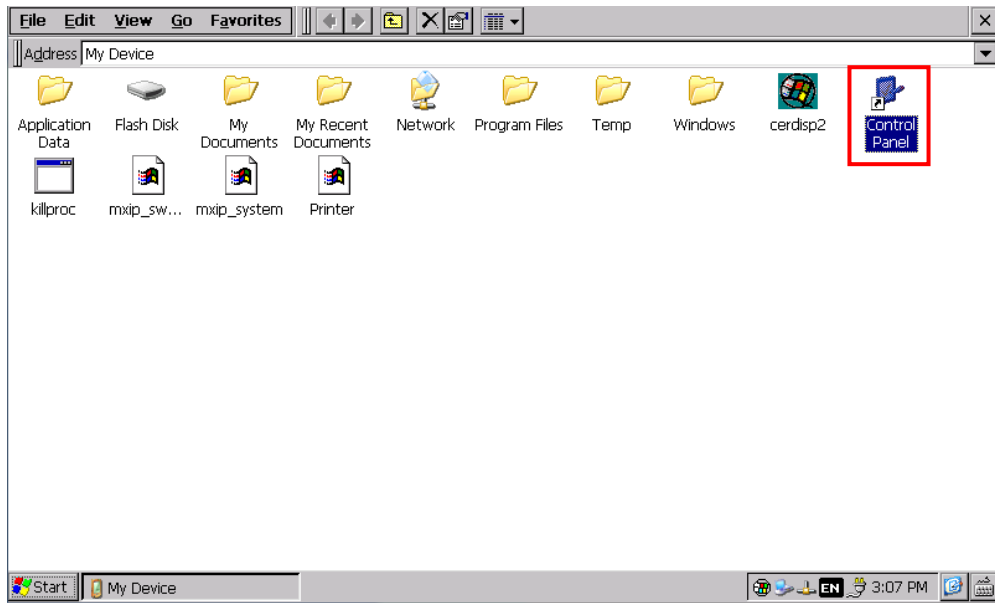
1. Connect the power and press the power key to open, directly enter into the OS of Windows Embedded Compact7
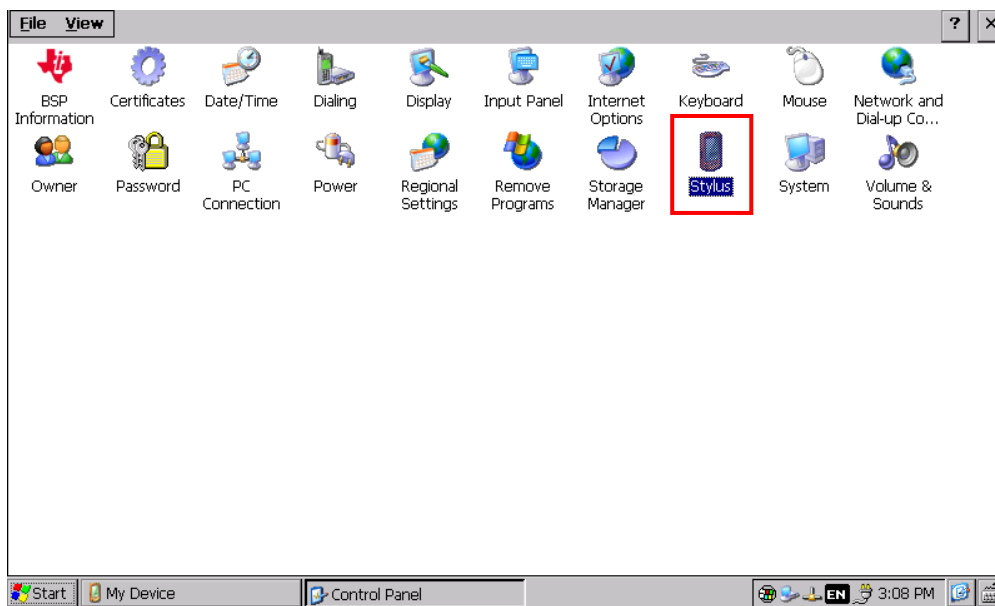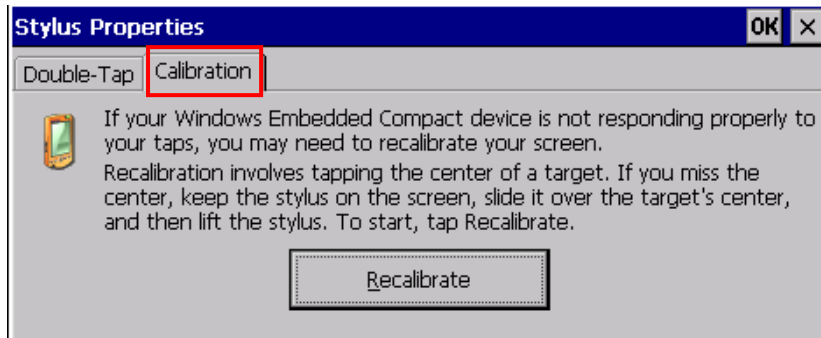

2. Click "My Device" enter into the file manager

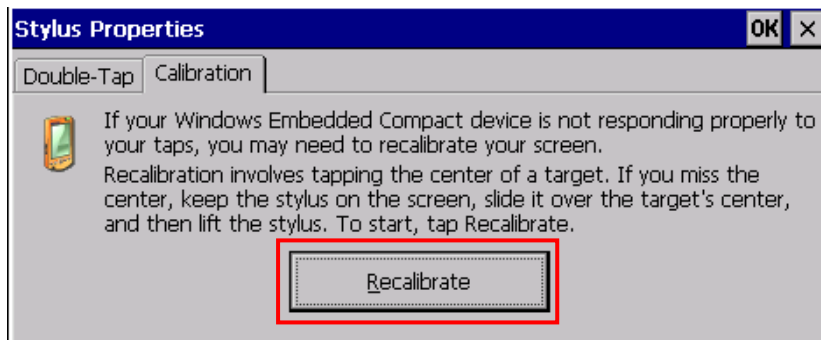3. Click "Control Panel" in the file manager

4. Then click "Stylus"

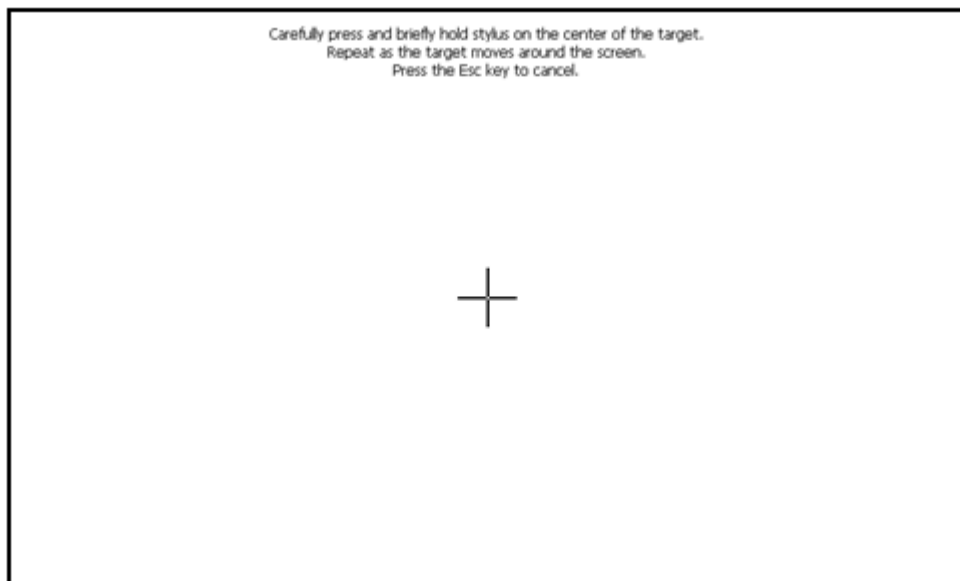5. Select "**Calibration**" in "Stylus Properties" dialog box

Stylus Properties [OK] [×]

| Double-Tap | Calibration |

If your Windows Embedded Compact device is not responding properly to your taps, you may need to recalibrate your screen.
Recalibration involves tapping the center of a target. If you miss the center, keep the stylus on the screen, slide it over the target's center, and then lift the stylus. To start, tap Recalibrate.

Recalibrate

6. Click "**Recalibrate**" to begin the calibration.

Stylus Properties [OK] [×]

| Double-Tap | Calibration |

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Recalibrate

7. During calibration, keep your finger or touch pen on the cross center of the screen until it moves to another area on the screen.

Carefully press and briefly hold stylus on the center of the target.
Repeat as the target moves around the screen.
Press the Esc key to cancel.

+

【Operational tip】Press on the center of the target, repeat as the target moves around the screen.

(there are 5 targets)

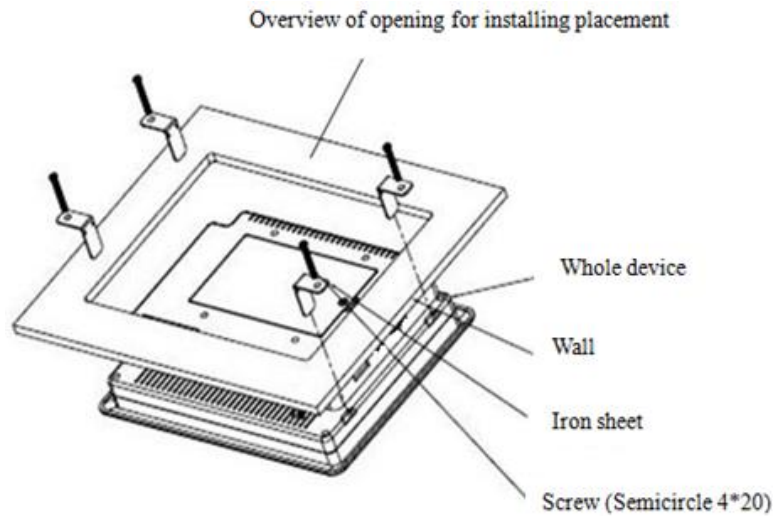8. Arbitrarily click the screen after calibration. Return to "Stylus Properities"

New calibration settings have been measured.
Press the Enter key to accept the new settings.
Press the Esc key to keep the old settings.

9. Finish calibration;

10. Click OK to accept new setting, and exit the screen calibration.

11. Click ✕ to reserve original setting, and exit the screen calibration.

4. Whole Installation

Overview of opening for installing placement

- Whole device
- Wall
- Iron sheet
- Screw (Semicircle 4*20)

**About Mounting Process for Device**

1. Mounting the whole device into the wall. (ps: the thickness of wall should be within 15mm)

2. Insert the 4 iron sheets to the sockets at the back of device. (as the guiding lines of above chart)

3. Lock the 4 screws (semicircle 4*20) up to the holes of iron sheets until the end.

- Screw (semicircle 04)
- Iron sheet or Wall
- Whole device
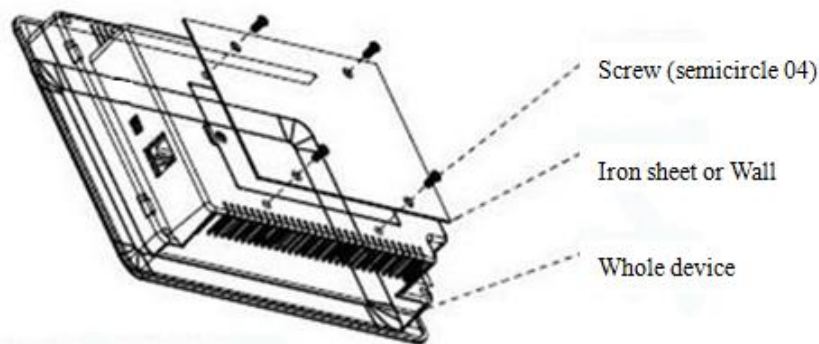
About VESA Mounting Process for Device

Lock the 4 screws (semicircle 04) through the holes of iron sheet or wall up to the standard VESA sockets at the back of device. (Ps: with the standard of thickness is 1mm for iron sheet or wall, the length of screw is 6mm; when the thickness of iron sheet or wall added by 1mm, as well as the length of screw accordingly, and so forth)
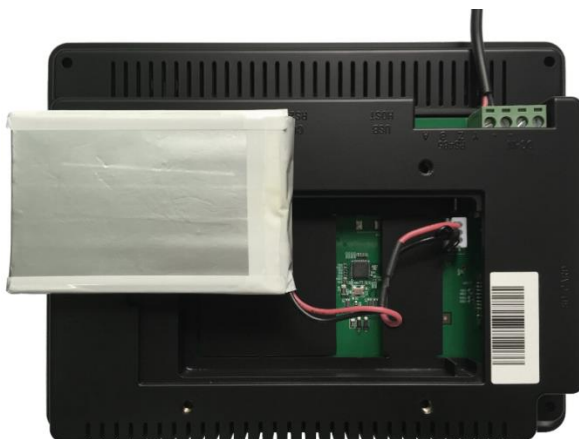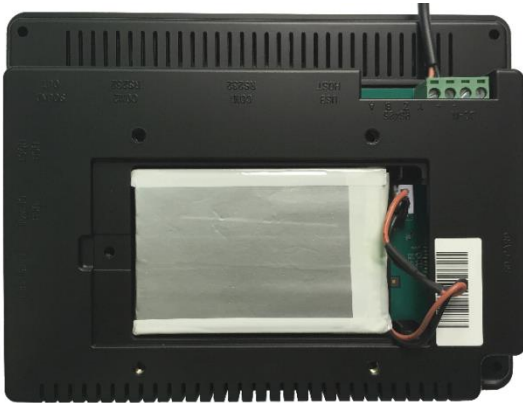
5. DIMENSION
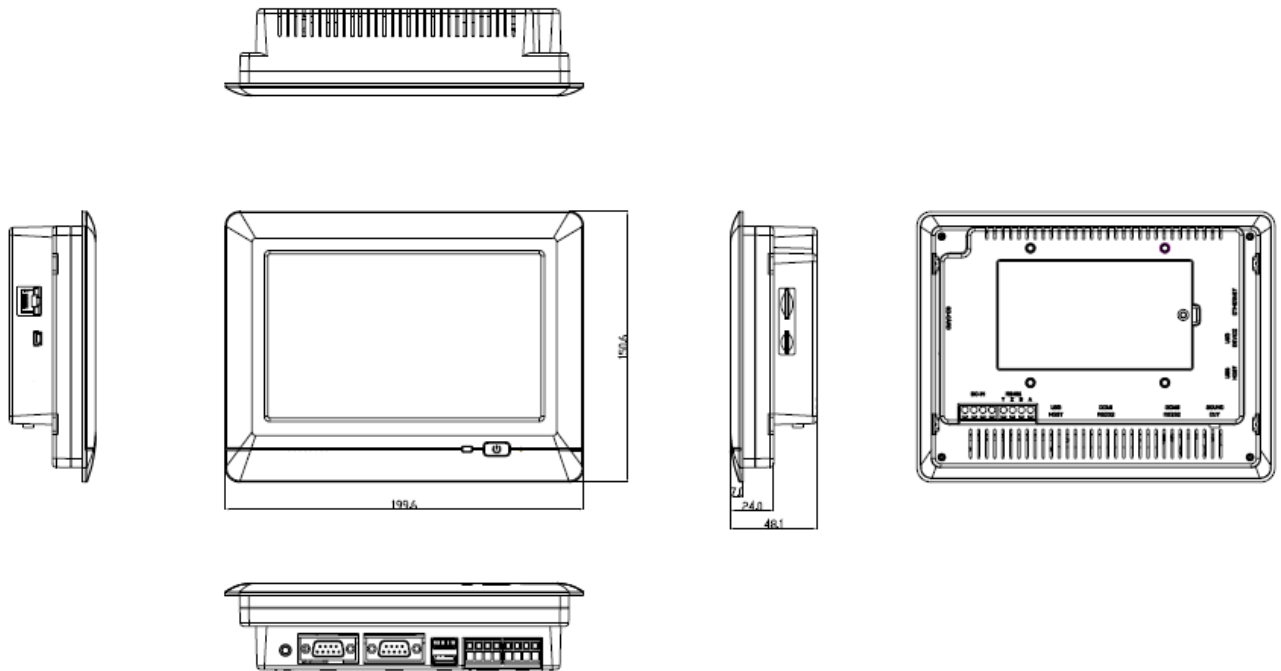
6. Battery Installation

I. Battery:

II. Plug power line into socket of battery slot

III. After plug in and put the battery into slot

IV. Settle the power line in the slot, then finish installation.

V. Serial port switch.

Battery interface

RS232 (Left) and RS422 (Right) switch

7. Parameters

System configuration	CPU TI 3352 600MHz
	ARM Cortex-A8
	ROM: 4GB eMMC Flash RAM：DDR3-512MB
	OS: Windows Embedded Compact7/ Linux Debian 7.0
Interface	SIM card slot
	Micro SD (TF) card slot
	USB Device 2.0×1，USB Host 2.0×2
	Earphone output port
	DC power input
	RS232×2 / RS422×1 (or RS485×1) interface
	LAN Ethernet
Function	Optional：3G / Wi-Fi / GPS
Touch Panel	4-wire resistive
Display	7" LED backlight
Screen Resolution	800×480
Brightness	300cd/㎡
Contrast	500:1
Viewing Angle	140°/120°(H / V)
Power Supply	DC 9~36V (without battery) DC 11~36V (with battery)
Battery	Built-in 2600mAh (optional)
Power Consumption	≤7W ≤9W(with battery)
Working Temperature	-20°C ~ 60°C
Working Temperature （with battery）	0°C ~ 50°C
Storage Temperature	-30°C ~ 70°C
Storage Temperature （with battery）	-10°C ~60°C
Dimension(mm)	482.5(L)× 178(W)× 38(D) mm
Weight	516g (without battery) 610g (with battery)

8. Accessories

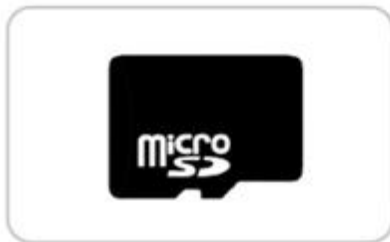|		
DC12V adapter (optional)	Mini USB cable	Touch pen
CD drive	Fixed screws	2600mAh Battery (optional)
TF card (optional)	VESA 75mm rail slot (optional)	75mm VESA folding bracket (optional)