# User Manual

**Version V2.1 Dec. 2012**

# VariPOS™ 815

# Contents

# Notices

The information contained in this document is subject to change without notice.
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# Safety information

**IMPORTANT SAFETY INSTRUCTIONS**

**1)** Carefully read and follow these instructions. Pay attention to the danger and caution labels displayed on the product.

**2)** Only operate the product based on the type of power indicated on the label. Consult your dealer or local power company if unsure of the type of power available.

**3)** Make sure the power cord is placed safely where it would not be walked on. Do not rest anything on the power cord.

**4)** In disconnecting the machine from the electrical power supply, first switch off the power button, and then remove the power plug from the wall socket.

**5)** This product must not be placed on an unstable platform such as a stand or table for its fall may cause serious damage to the product.

**6)** Slots and openings are there to provide proper ventilation, prevent overheating and ensure reliable operation of the product, thus must not be blocked or covered. Do not place the product on a bed, sofa, rug or the like so as to avoid blocking the openings. Unless proper ventilation is provided, never place the product over or near a radiator, heat register or a built-in installation.

**7)** Never insert any kind of objects through the openings/slots to avoid touching dangerous voltage points which could cause electric shock or fire.

**8)** If there is smoke or strange smell, unplug the power cord from the power outlet immediately and request repair from your dealer or POINDUS.

## CE

This device complies with the requirements of the VariPOS™ directive 2004/108/EC with regard to "Electromagnetic compatibility".

## FCC

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation

CE

# VERIFICATION OF COMPLIANCE

*This Verification of Compliance is hereby issued to the below named company. The test results of this report relate only to the tested sample identified in this report.*

## Technical Standard: EMC DIRECTIVE 2004/108/EC (EN55022 / EN55024)

*(Operation Environment: Information Technology Equipment)*

### General Information

Applicant: Poindus Systems Corp.
6F, No.1, Lane 28, Singjhong Rd., Neihu Dist.,
114 Taipei, Taiwan

### Product Description

EUT Description: Panel PC
Brand Name: Poindus
Model Number: VariPOS815; VariPPC815; VariVitro815; VariPOS815X; VariPPC815X; VariVitro815X (X=A~Z, a~z, 0~9, "-" or blank, any character)

### Measurement Standard

*EN 55022: 2006 + A1: 2007*
*EN 61000-3-2: 2006*
*EN 61000-3-3: 2008*
*EN 55024: 1998 + A1: 2001 + A2: 2003*
*(IEC 61000-4-2: 2008; IEC 61000-4-3: 2006 + A1: 2007; IEC 61000-4-4: 2004; IEC 61000-4-5: 2005; IEC 61000-4-6: 2003 + A1: 2004 + A2: 2006; IEC 61000-4-8: 2009; IEC 61000-4-11: 2004)*

### Measurement Facilities

Sindian Lab.: ***Compliance Certification Services Inc.***
*No.163-1, Jhongsheng Rd., Sindian City, Taipei County 23151. Taiwan (R.O.C.)*
*Tel: +886-2-22170894 / Fax: +886-2-22171029*

*This device has been shown to be in compliance with and was tested in accordance with the measurement procedures specified in the Standards & Specifications listed above and as indicated in the measurement report number: T110811216-E*

Sam Hu

*Sam Hu / Section Manager*
*Date: August 31, 2011*

程智科技股份有限公司
Compliance Certification Services Inc.

# VERIFICATION OF COMPLIANCE

*This Verification of Compliance is hereby issued to the below named company. The test results of this report relate only to the tested sample identified in this report.*

**Technical Standard: FCC Part 15 Class B (DoC)**
**IC ICES-003**

*(Operation Environment: For Home And Office Use)*

***General Information***

Applicant: Poindus Systems Corp.
6F, No.1, Lane 28, Singjhong Rd., Neihu Dist.,
114 Taipei, Taiwan

***Product Description***

EUT Description: Panel PC
Brand Name: Poindus
Model Number: VariPOS815; VariPPC815; VariVitro815; VariPOS815X; VariPPC815X; VariVitro815X (X=A~Z, a~z, 0~9, "-" or blank, any character)

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Sam Hu

*Sam Hu / Section Manager*
*Date: August 31, 2011*

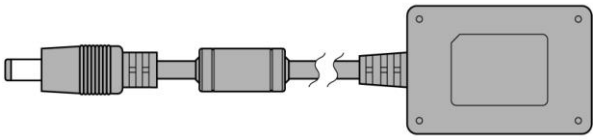
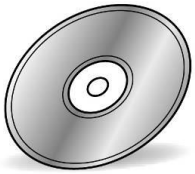
程智科技股份有限公司
Compliance Certification Services Inc.

# Welcome

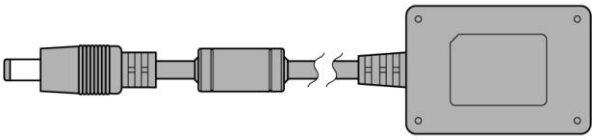
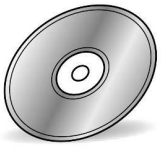
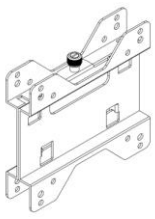
Congratulations on your purchase of VariPOS/VariPPC. The following illustration displays the package contents of your new product. If any of the following items is damaged or missing, please contact Poindus.

## Package contents

### 【 VariPOS 815™ 】

| | |
|---|---|
|  |  |
| VariPOS | Power adapter |
|  |  |
| Driver bank CD | Power cord |

### 【 VariPPC 815™ 】

| | |
|---|---|
|  |  |
| VariPPC | Power adapter |
|  |  |
| Driver bank CD | Power cord |
|  | |
| Wall mount kit | |

## Accessory items

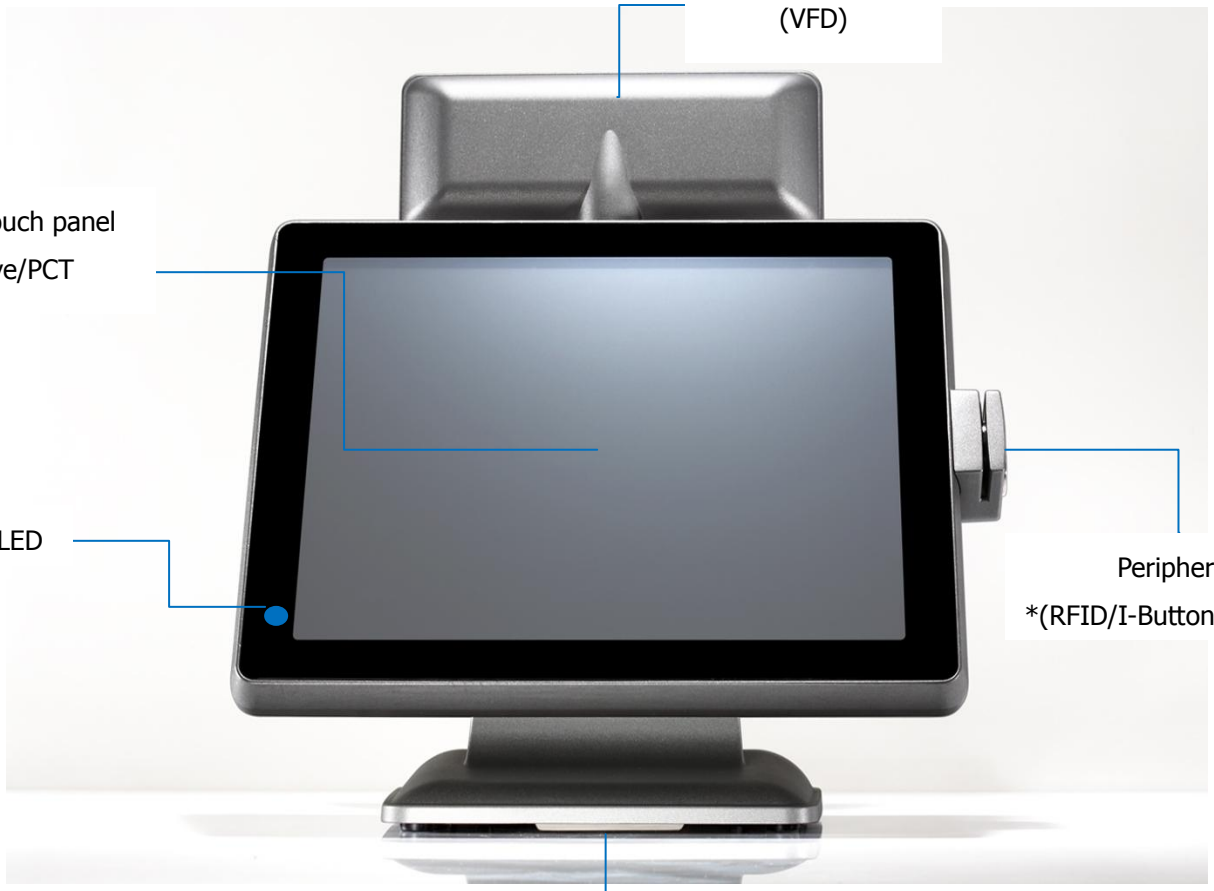
| | Part No | Description | Q'ty |
|---|---|---|---|
| 1 | 3XCC00000010 | Touch Screen Wipes ,20*15mm | 1 |
| 2 | 3XPP00000010 | SPIRAL WARPPING BANDS SWB-16,L15mm | 1 |
| 3 | *7P0000000030 | *[1] SCREW PACK: security screws | 1 |
| | | Screw driver | 1 |
| 4 | 3CMD9MJT0100 | RJ-45 Cable | 2 |
| 5 | 3CW000000190 | VGA Cable*[2] | 1 |
| 6 | 3CW000000550 | PS/2 CABLE | 1 |

*1: There are security screws and a screw driver for replacing the hard drive fixing screw. Customers can use the security screws to ensure HDD security.

*2: VGA Cable is only for I/O interface with VGA port.

# Getting to know your VariPOS/VariPPC

## Front view




*all peripherals are depends on customer's demand

## Rear view


ARM kit for VariPPC only*

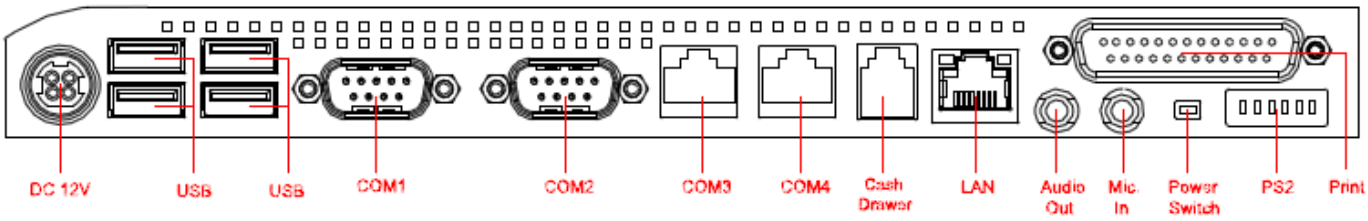
Wall mount kit for VariPPC only

*all peripherals are depends on customer's demand

# Optional I/O interface

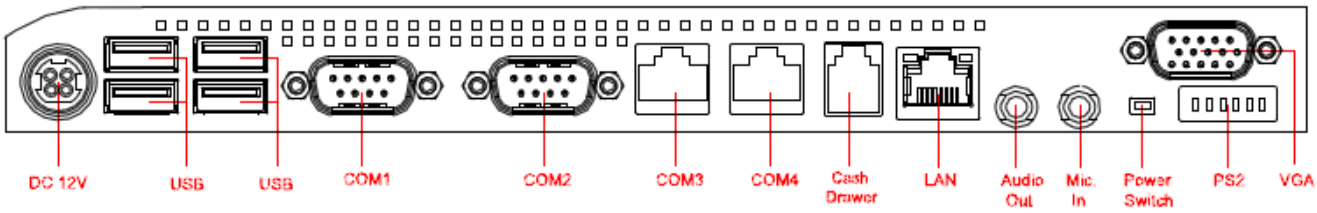
## 【Standard Version】

The last I/O is LPT port




## 【VGA Version】

The last I/O is VGA port



# Using the touch screen

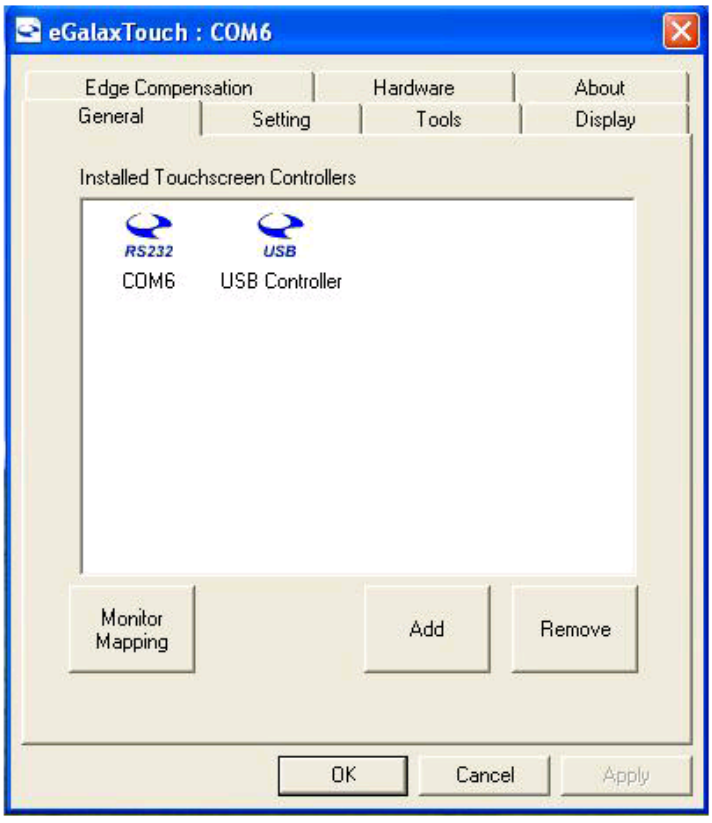
## Touch Driver Installation:

The shipping package includes a Driver CD. You can find every individual driver and utility that enables you to install the drivers in the Driver CD.

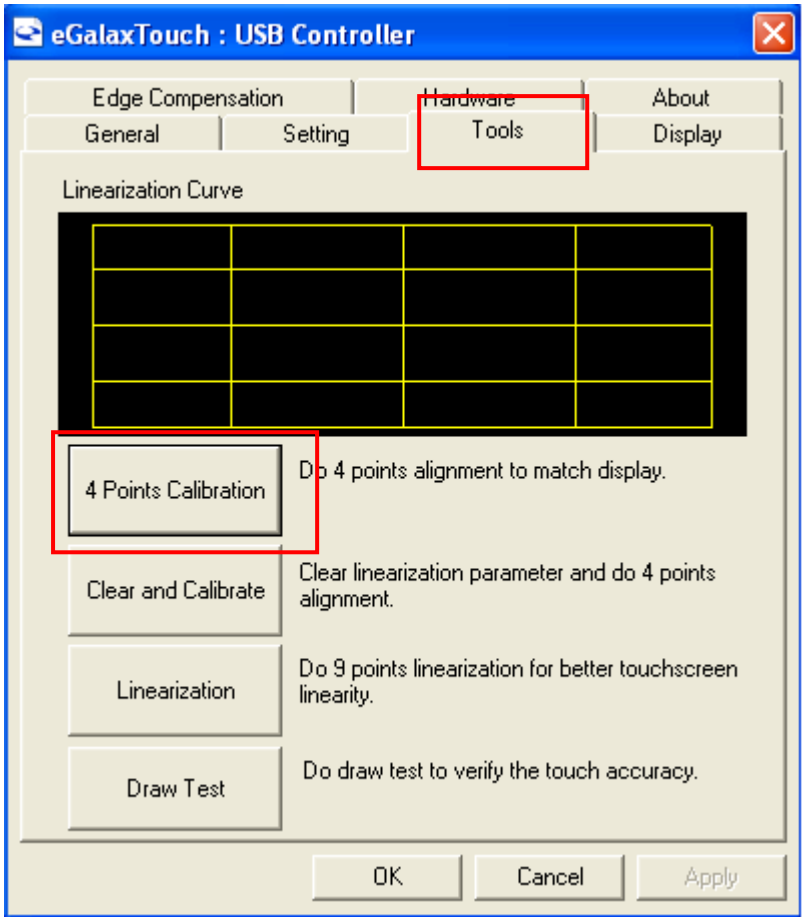
Please insert the Driver CD into the drive and double click on the "autorun.exe" to pick up the models.

## Notice:

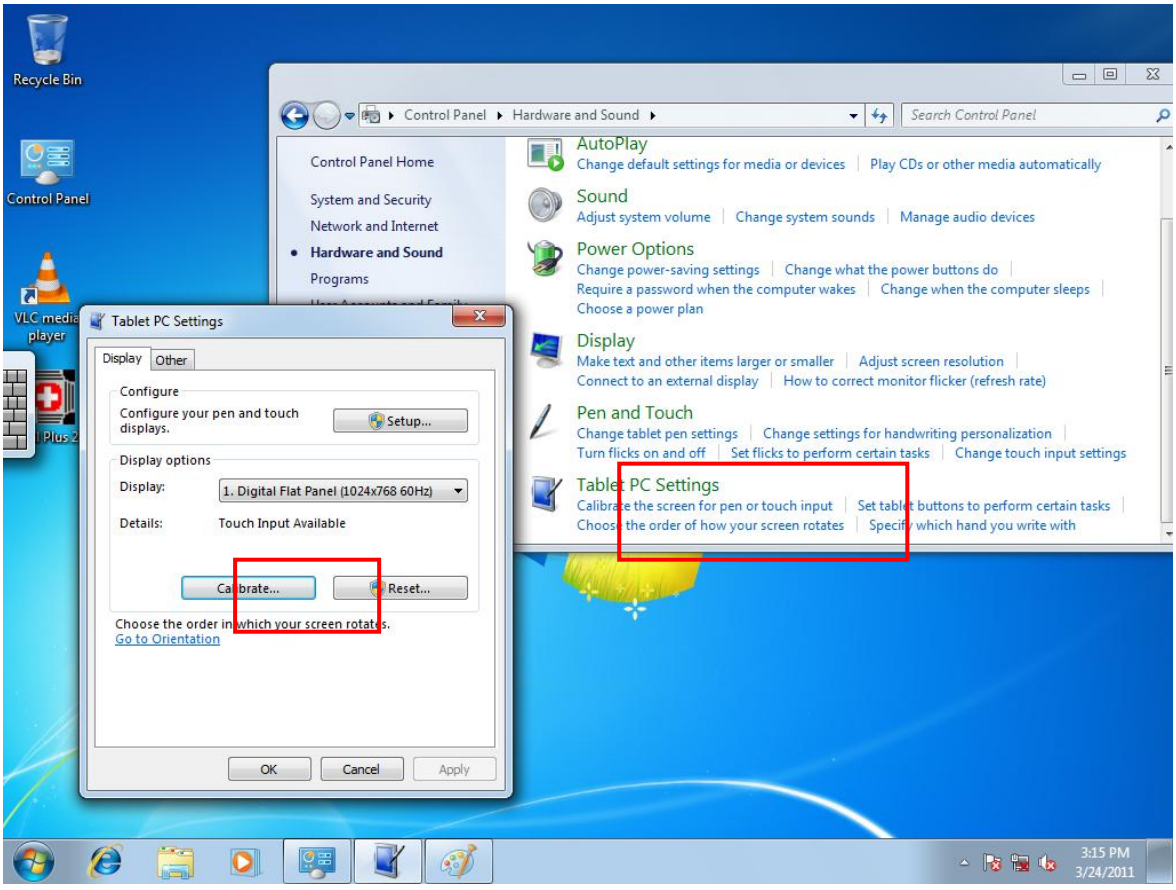
1. If you use the **Resistive** touch panel, it is only showed COM6 after the installation.
2. If you use the **PCT** touch panel, it will show the below image, please remove COM6 icon.
3. At the Windows 7 Operation System environment, when customer want to use PCT touch multi-touch **it is not required to install the touch driver**.
4. **Resistive touch is RS232 interface (COM6) and the PCT touch is USB interface**.



5. Calibration with EETI touch utility: please into "tool" page and press "4 Points Calibration".




6. Calibration in WIN7: Control panel→ Hardware and Sound→Tablet PC setting→Calibrate the screen from pen or touch input



With a finger to touch, you can make VariPOS/VariPPC work at your command.

Your touch functions like a mouse device:

- Touch = left-click on the mouse
- Touch and hold = right-click on the mouse

## Cleaning the touch screen

The touch screen requires periodic cleaning to achieve the best touch sensitivity. Keep the screen clean from foreign objects or excessive dust accumulation.

To clean the screen:

- Turn off the system and disconnect the power cord from the wall.
- Spray a small amount of a household glass cleaner onto the supplied cleaning cloth and gently wipe the screen surface.
- Do not spray the cleaner directly on the screen. (**Resistive touch panel only**)
- Do not use an abrasive cleaner or a coarse cloth when cleaning the screen.

# Specification

| | |
|---|---|
| **Motherboard** | |
| CPU | Intel® Mobile Celeron B810 1.6GHz with L3 Cache 2MB |
| | Intel® i3-2330E 2.2 GHz with L3 Cache 3MB |
| | Intel® i5-2510E 2.5 GHz with L3 Cache 3MB |
| Chipset | HM65 |
| System Memory | 1 x SO-DIMM DDRIII 1333, up to 8GB |
| **Display** | |
| TFT LCD | 38.1cm (15") |
| Brightness | 250nits |
| Resolution | 1024 x 768 |
| Touch Screen | True Flat Projected Capacitive Technology / True Flat 5-Wire Resistive |
| **Storage** | |
| HDD / SSD Type | 1 x SATA 6.4cm (2.5")HDD , SSD (optional) |
| Compact Flash Type | N/A |
| **I/O Ports -External** | |
| DC Input | 1 x Mini Din 4P (DC 12V only) |
| Cash Drawer | 1 x RJ-11 (Power Pin 12V) |
| Network (LAN) | 1 x Gigabit Ethernet by RJ-45 |
| USB Port | 4 x USB 2.0 |
| Serial Port | 4 x RS-232 |
| | COM1/2 : DB-9, RS-232, Pin9 w/RI/5V/12V Selectable by BIOS |
| | COM3/4 : RJ-48 , RS-232, Pin10 w/RI/5V/12V Selectable by BIOS |
| Audio Port | 1 x Line-out ; 1 x Mic-In |
| PS/2 Port | 1 x PS/2 connector for Keyboard |
| LPT Port | 1 x DB-25 Printer Port (Standard) |
| VGA Port | 1 x DB-15 VGA Port (Optional) |

| **I/O Ports -Internal** | |
|---|---|
| Card Reader & I-Button | COM5 : Internal Pin header for Card Reader & I-Button |
| Audio | HD Audio, 2W Speaker x 2 |
| Bus Expansion | 1 x Mini-PCI-E Slot |
| Compliance | IP 66 on front panel |
| System Management | Desktop Management Interface (DMI) |
| | Preboot Execution Environment (PXE) |
| | Wake on LAN (WoL) |
| | Advanced Configuration and Power Interface (ACPI) |
| OS Support | Windows 7 Professional for Embedded Systems, Windows Embedded Standard 7, Windows Embedded POSReady 7, Ubuntu 12 |
| Power Supply | External adapter, DC Model:120 Watts, Voltage:+12VDC 10 Amax |
| Material | Main Unit: Die-casting aluminum ; I/O Cover: Plastic |
| Color | Main Unit: Grey / White / Black *Customized color for plastic parts |
| Certifications | CE, FCC, Class-B, RoHS, WEEE |
| Dimension( W x H x D ) | 370 x 300 x 236 mm |
| Weight | 5.96 Kg (Aluminum Base: 1 Kg ) |
| VESA Mounting | 100 x 100mm |
| Operating Temperature | 0ºC ~ 40ºC, 10% ~ 90% RH, non-condensing |
| Storage Temperature | -20ºC ~ 60ºC, 10% ~ 90% RH, non-condensing |

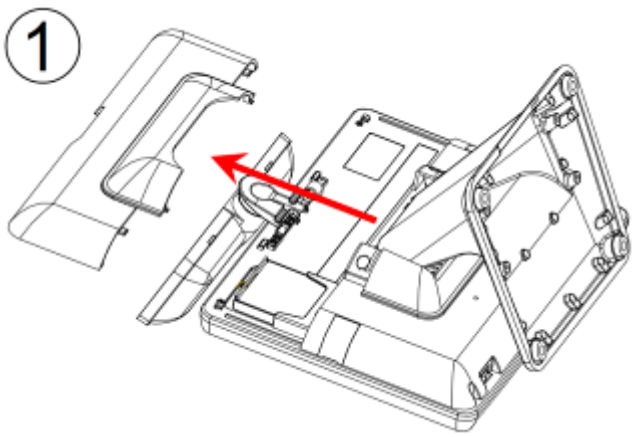
*Poindus reserves the right to change the specification without prior notice.

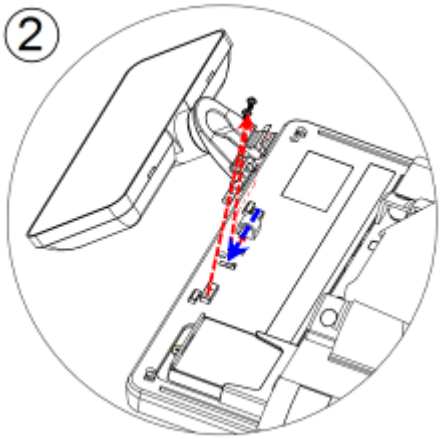
# System Assembly & Disassembly

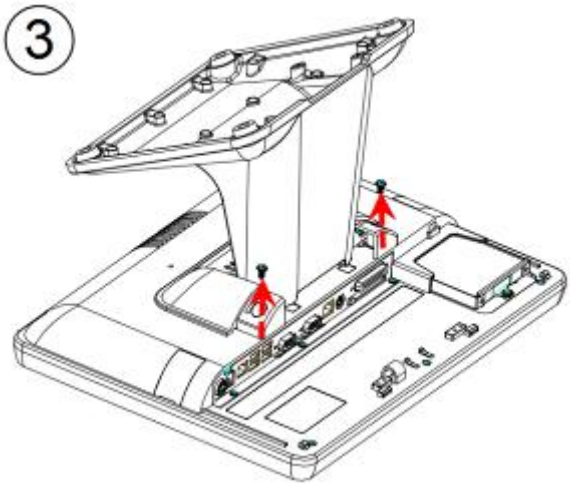
## Open the System

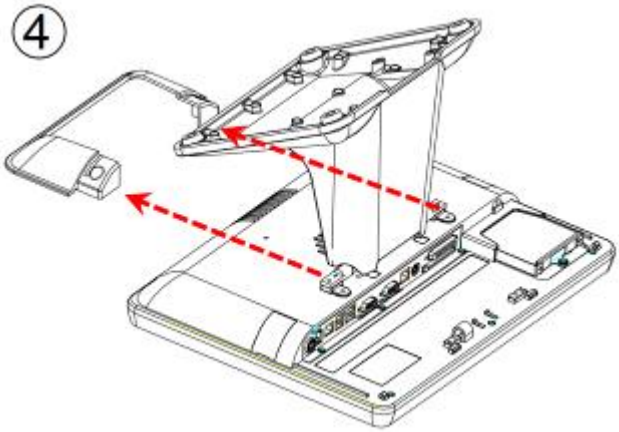
To access the inside system, you need to open the system first and the procedure of opening the system is as below:

1. Open the back IO cover
2. Release the screws of VFD
3. Release the screws of hinge cover
4. Remove the plastic hinge cover parts
5. Release the screws of base
6. Open the plastic cover from two sides
7. Release the screws of aluminium back frame



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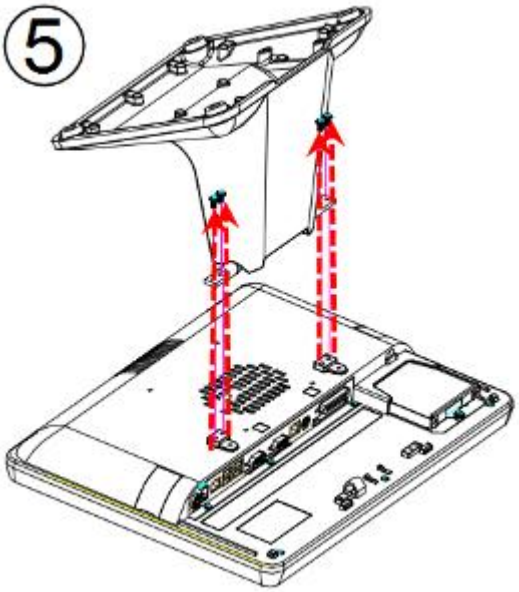

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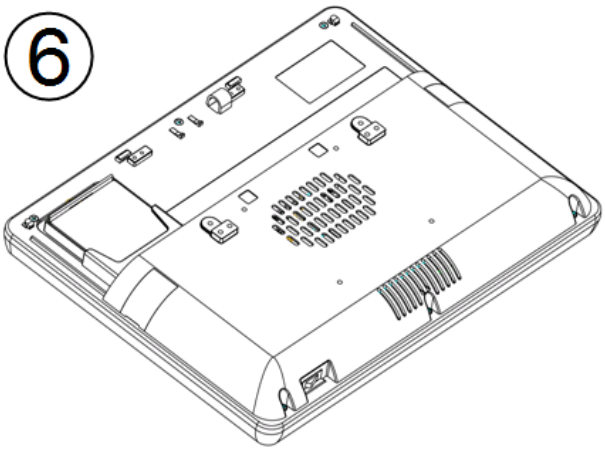

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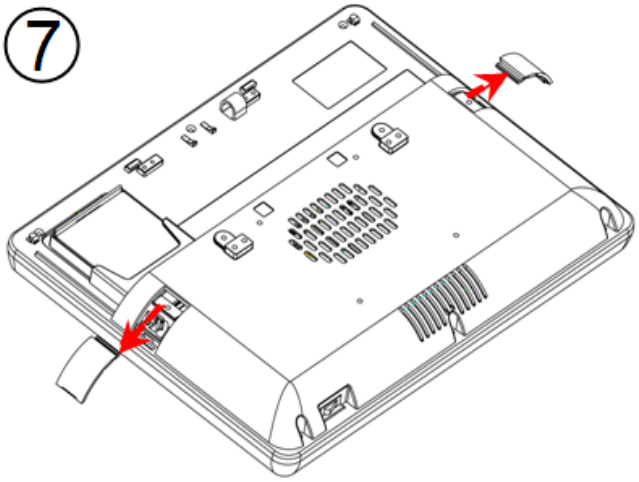

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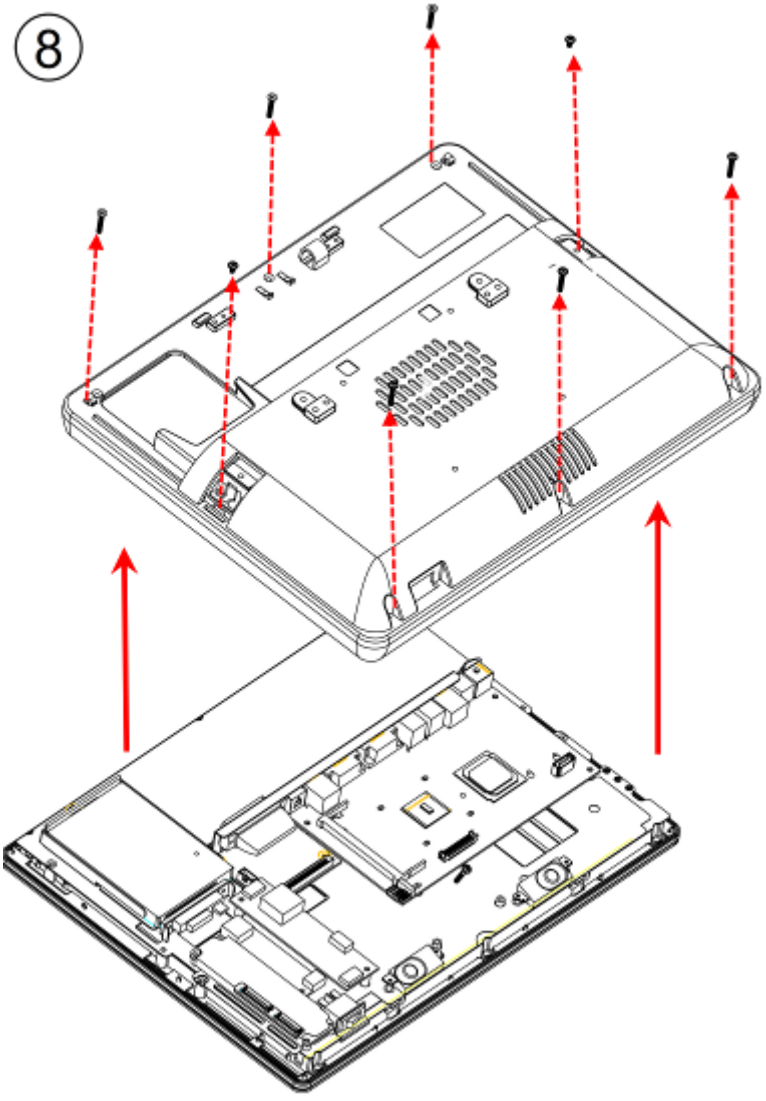
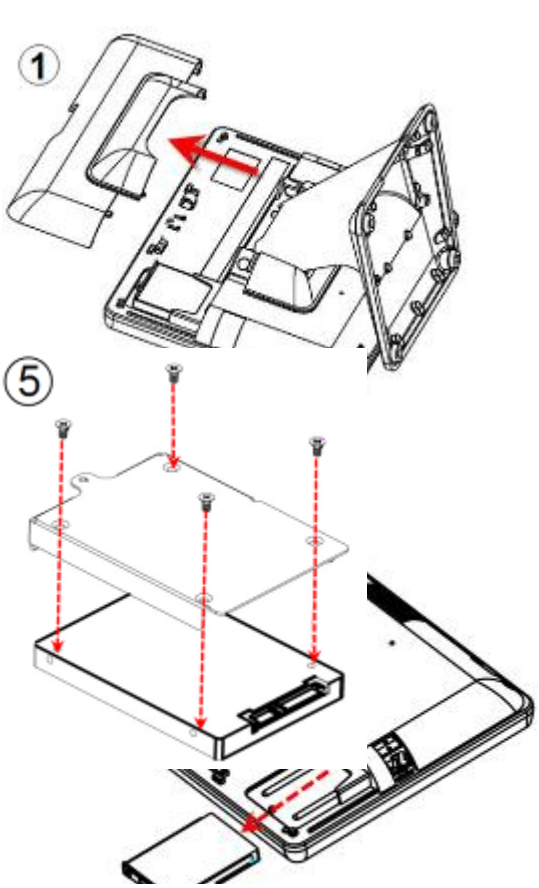


# Replace the HDD

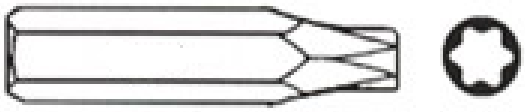
1. Open the IO back cover
2. Release the 1x screw from HDD tray
3. Remove the HDD tray.
4. Release the 4 x round screws on the HDD tray and replace HDD
5. Screw 4 x round screws on the HDD tray and insert the HDD tray into the whole system HDD slot
6. Fix HDD tray on the system with the 1x screw



## Screw Pack

| Item | Part No. | Description | Q'ty |
|---|---|---|---|
| A | 3SMFH30040N0 | F-HEAD SCREW:M3*0.5-4mm,NI | 5 |
| B | 3SMPH30062N0 | P-HEAD SCREW:M3*0.5-6mm,NI(FLOWER) | 2 |
| C | 3SLFR03651B0 | Screwdriver(FLOWER) | 1 |
| D | 3SMUH30061N0 | ROUND WASHER HEAD SCREWS:m3*0.5-6MM,NI | 3 |

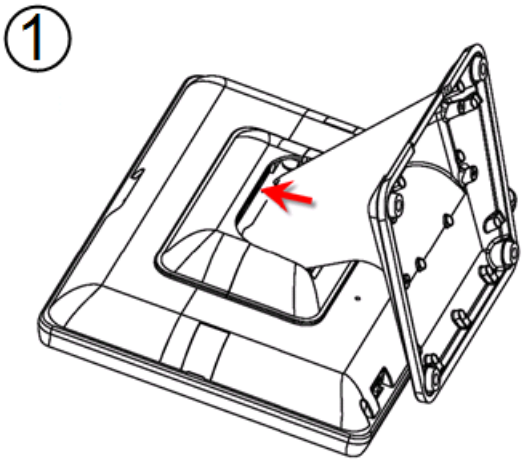
Security Screws*

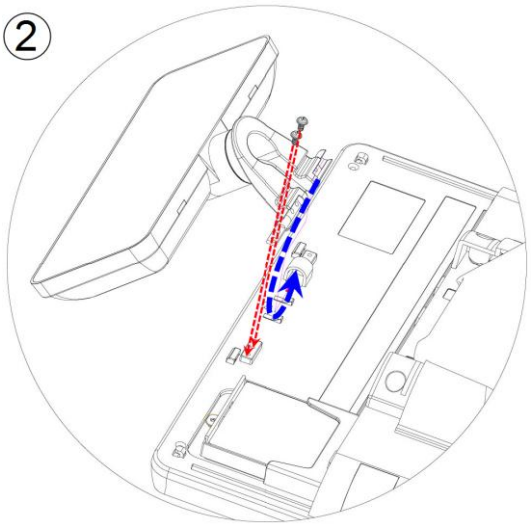


* There are security screws and a screw driver enclosed in product carton.
* Customers can use the special security screws to ensure HDD security.

# Install a Customer Display

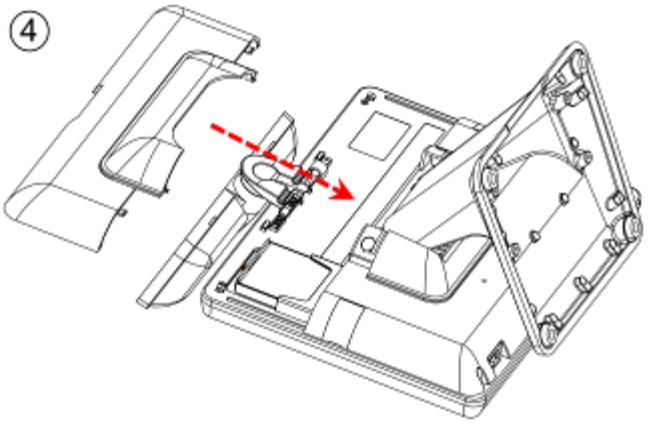
1. Put the panel on the flat table & open the IO back cover of system.
2. Assemble the customer display hinge into the customer display slot and fasten 2 x screws.
3. Connect the customer display into COM3 via the cable management slot and adjust COM3 voltage to +12V in BIOS (refer to Chapter 6)
4. Fasten the IO cover into the right position and turn the system on the right position.

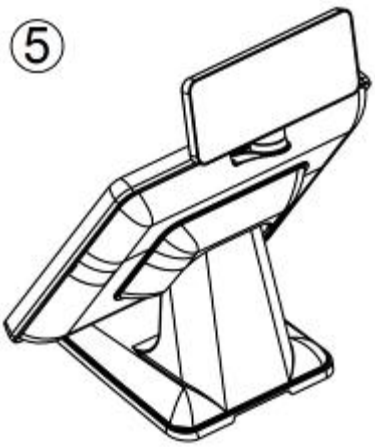




Cable Managment Slot



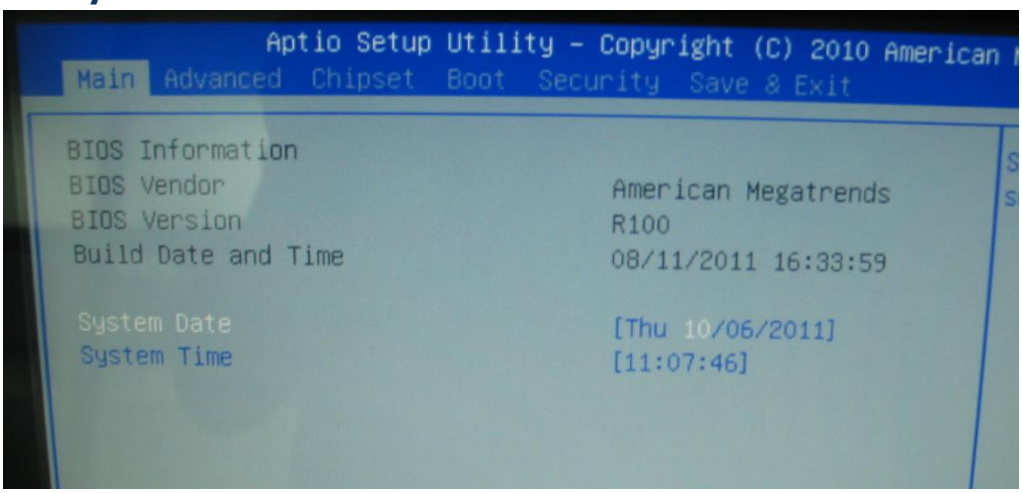



# Configure the Com3 Pin 9 for customer display

## BIOS Main Menu

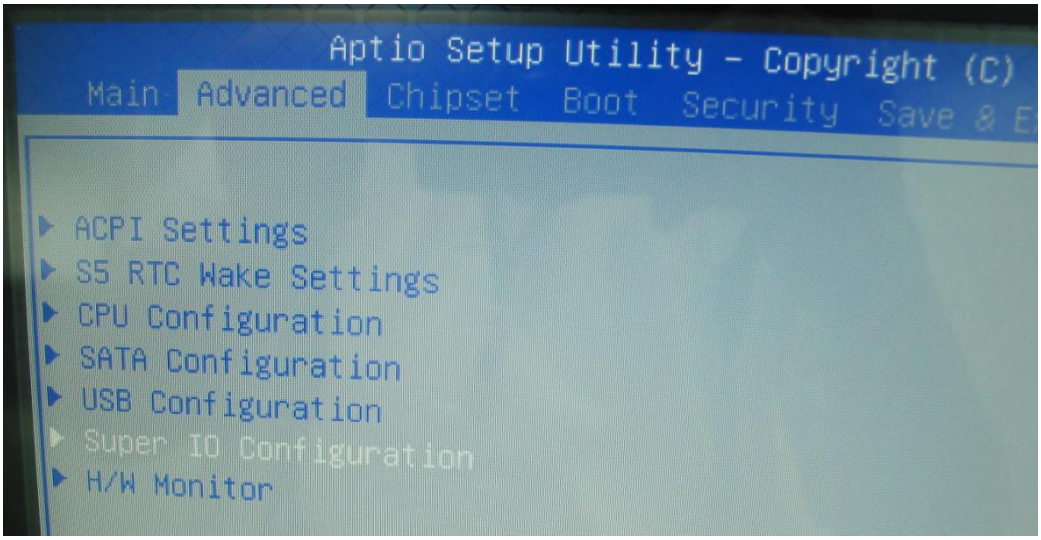
When the BIOS Main Menu is displayed, the following items can be selected. Use the arrow keys to select items and the enter key to accept and enter the sub-menu.

## Enter System Overview

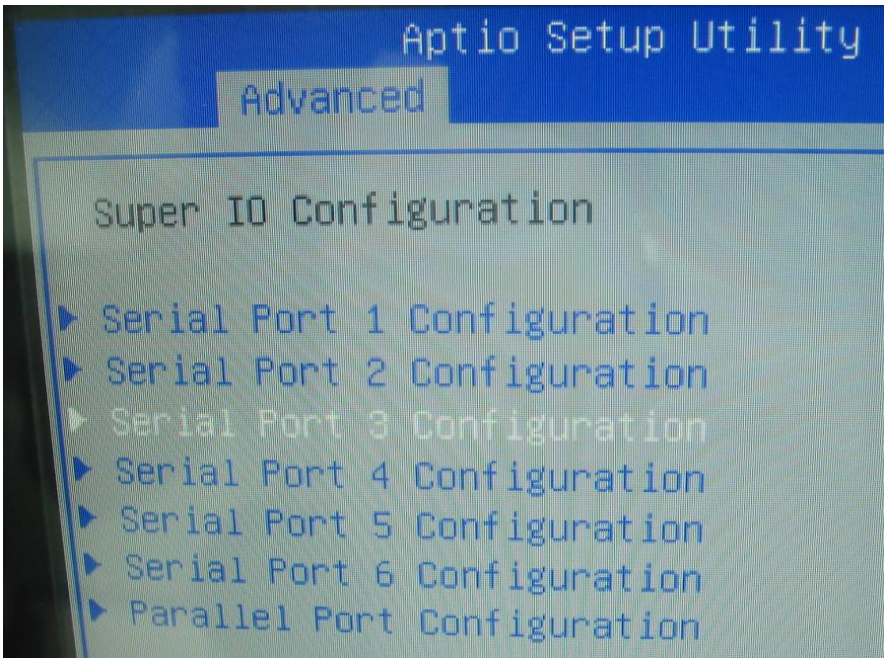



## Advanced Settings

Use this menu for set up super IO configuration.



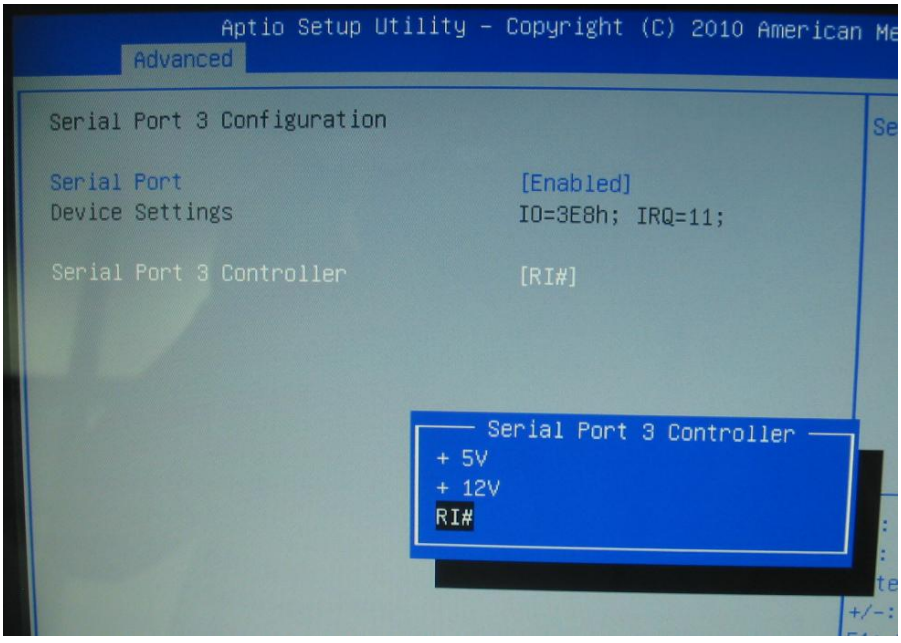
## Select Super IO Configuration




## Serial Port 1-4 Pin9 Mode

Enter into serial port 1- 4 Pin9 Mode and set up the options.

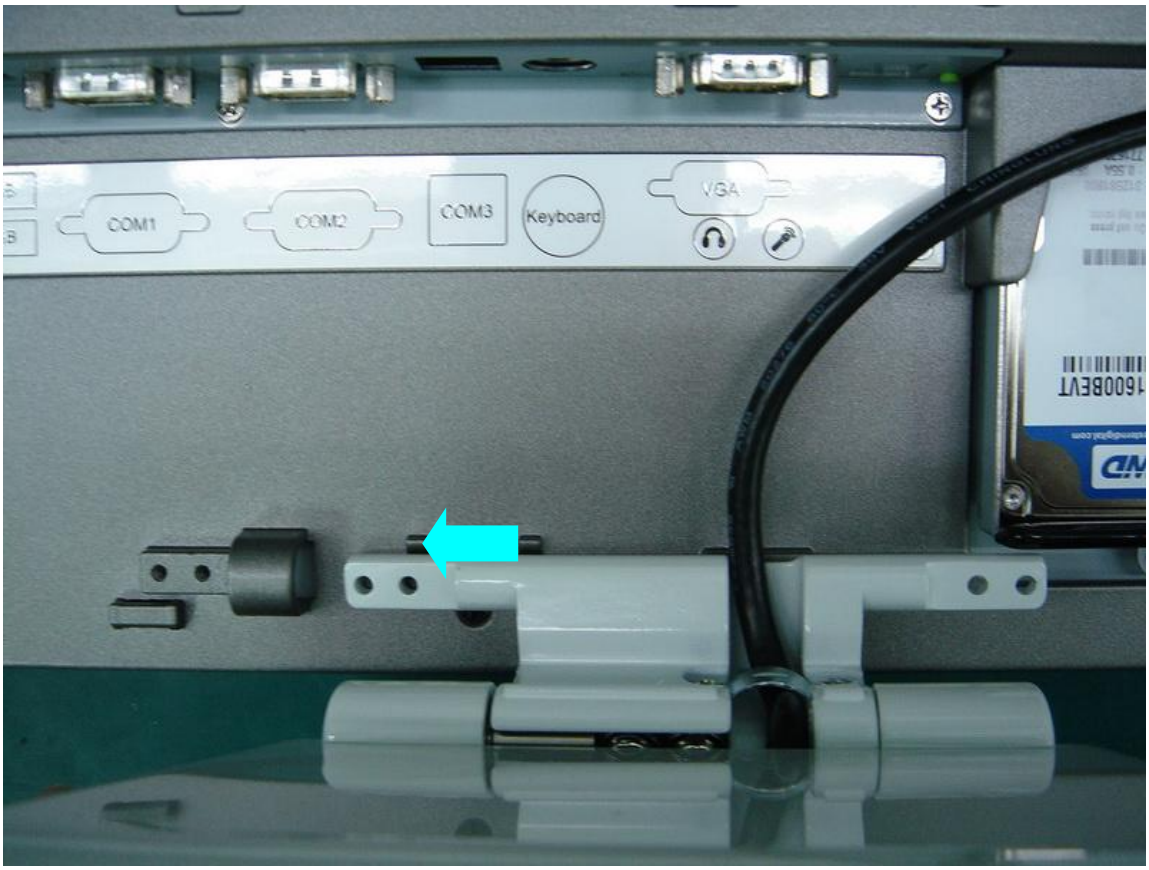
Select the serial port 1 Pin9 mode.



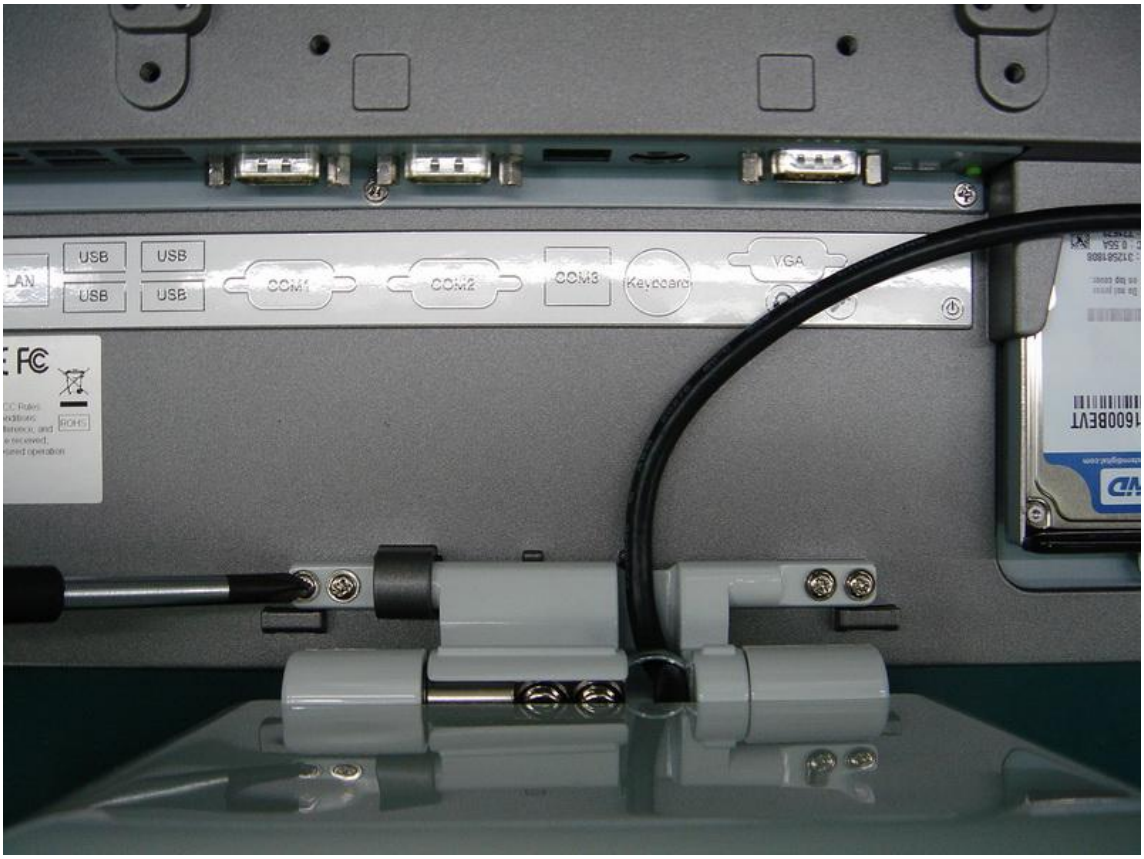

## Save and Exit

# Install a Second Display

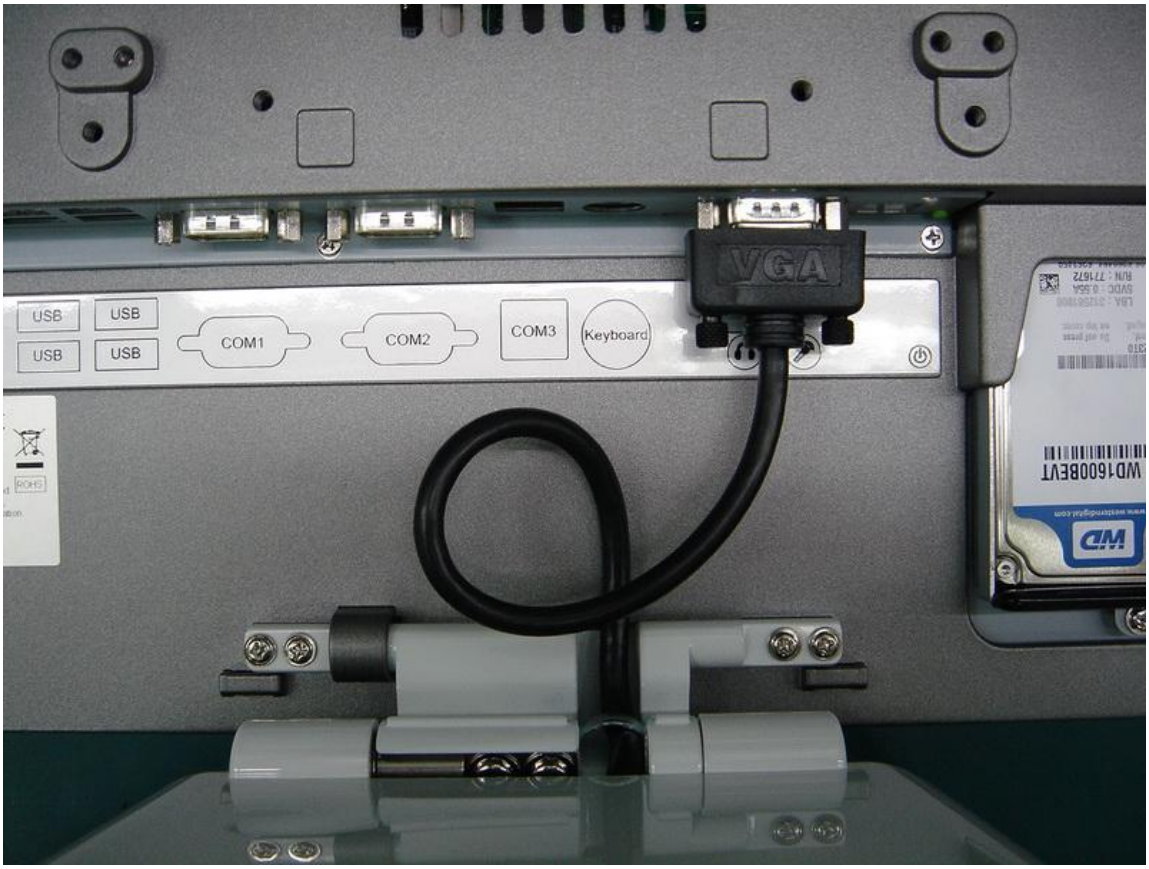
1. Slide the 2nd display hinge into the hinge holder on VariPOS.




2. Tighten the 4 screws that attached in the accessory box.



3. Plug the VGA cable to VGA port on the terminal.



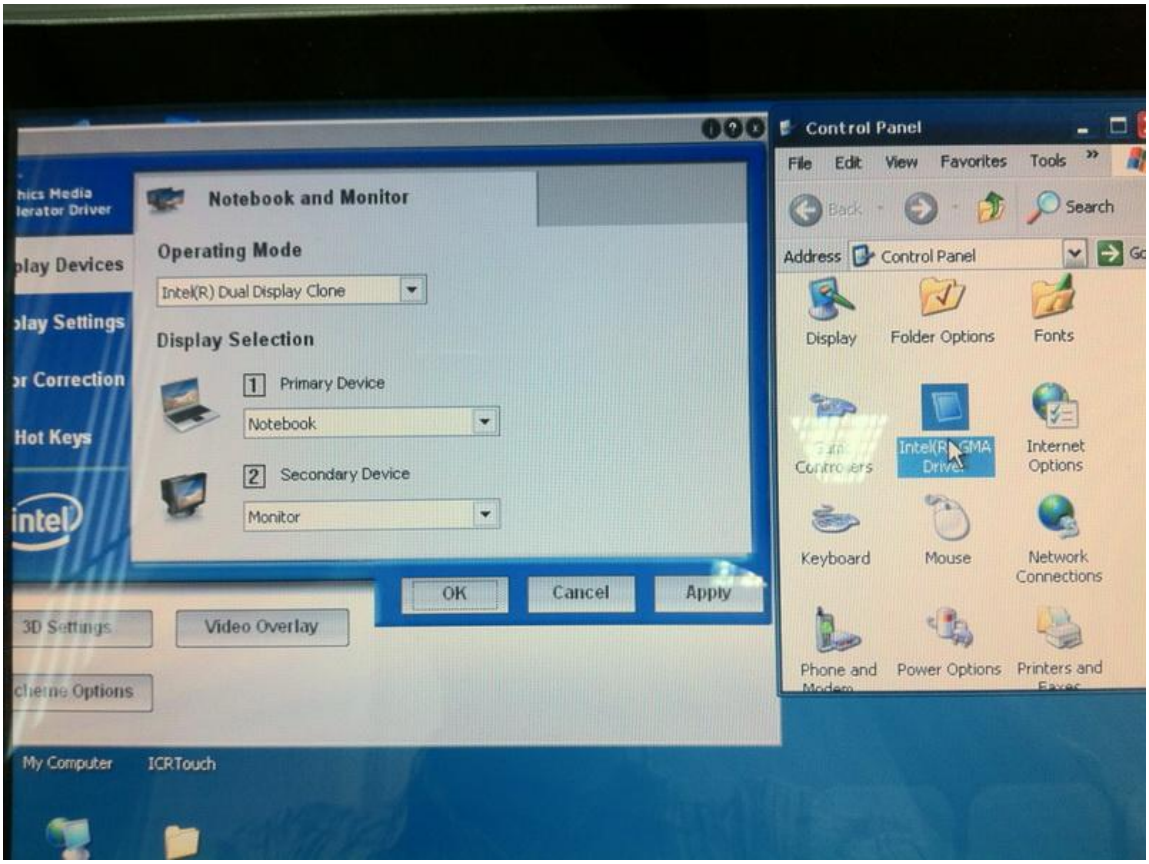

4. Don’t forget to insert the I/O cover.

5. Done

# How to configure 2nd display resolution

1. Please access control panel→"Intel GMA Driver".

The Primary Device is "Notebook" and Secondary Device is "Monitor"

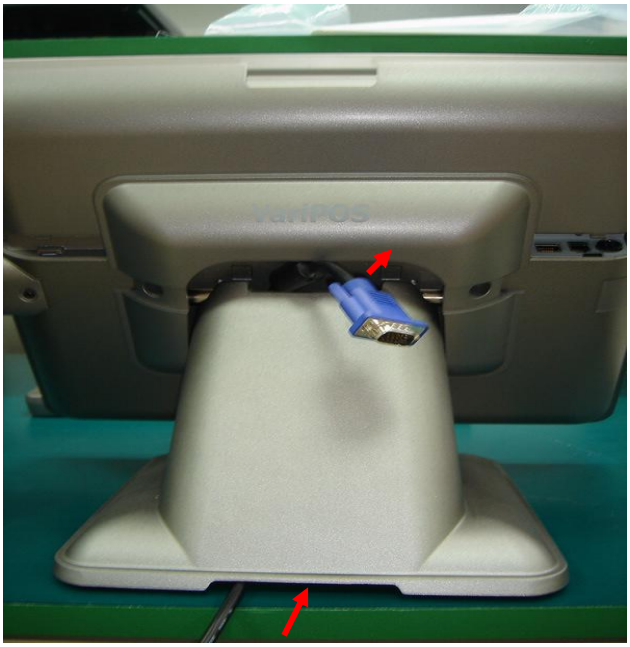



2. Clone mode, the resolution for both display is 800*600

3. Extend mode, the resolution for main display is 1024*768 and 2nd display is 800*600.

# Install for external monitor

1. Put the VGA cable of the external monitor through the base.



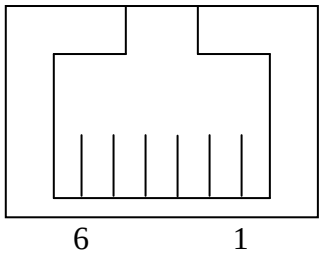
2. Connect the extension VGA cable enclosed with the accessory box to the VGA cable of the external monitor.

3. Plug the extension VGA cable to VGA port and install the I/O cover back to finish the installation.

# Install a Cash Drawer

You can install a cash drawer through the cash drawer port. Please verify the pin assignment before installation.

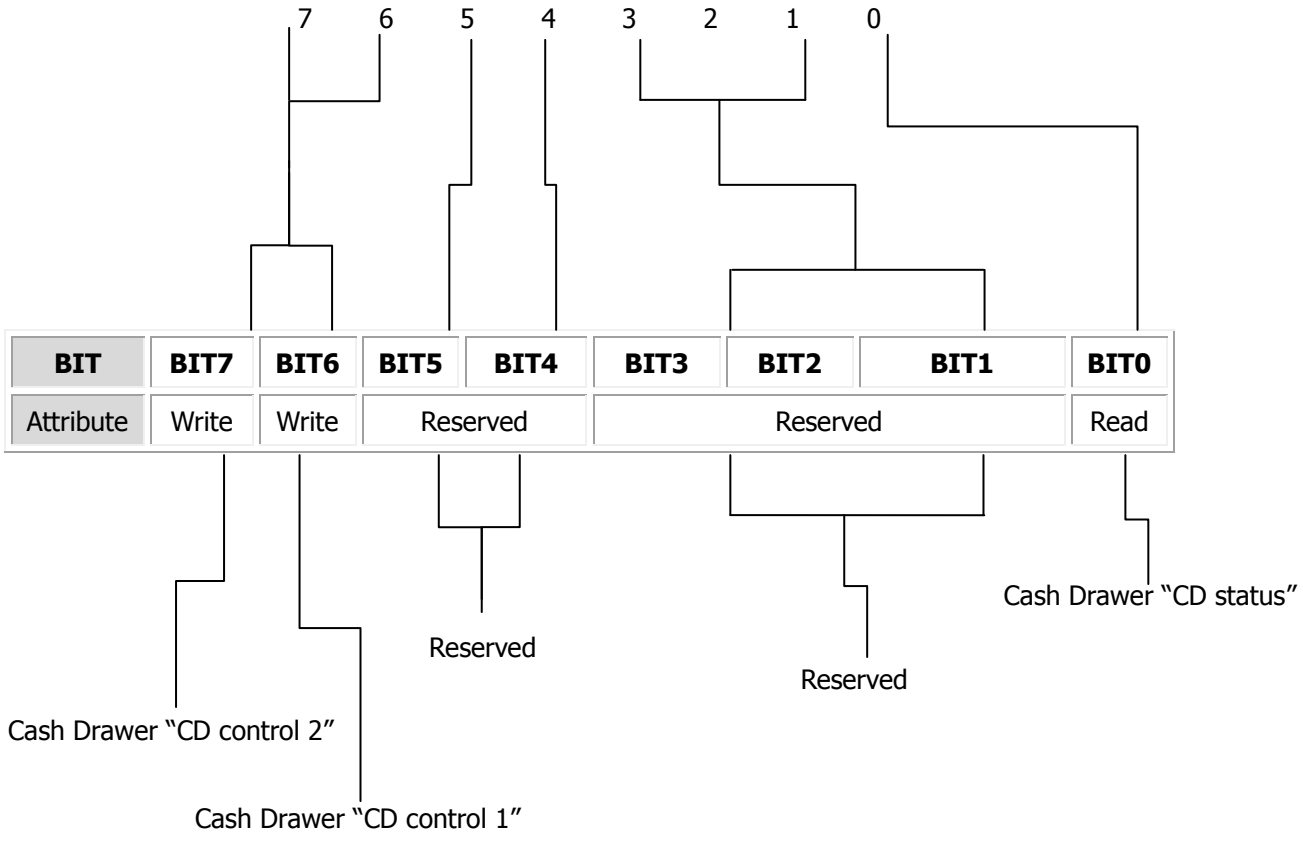
Cash Drawer Pin Assignment




| Pin | 6 | 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|---|
| Signal | GND | CD control 2 | 12V | CD status | CD control 1 | GND |

**Cash Drawer Controller I/O Address**

**Register Location:** A24h
**Attribute:** Read / Write
**Size:** 8bit



Bit 0: Cash Drawer "CD status".

= 1: the Cash Drawer is close or no cash drawer connected

= 0: the Cash Drawer opened

Bit 1: Reserved

Bit 2: Reserved

Bit 3: Reserved

Bit 4: Reserved

Bit 5: Reserved

Bit 6: Cash Drawer "CD control 1".

= 1: Opening the Cash Drawer

= 0: Before push in the cash drawer this bit must be "0".

Bit 7: Cash Drawer "CD control 2".

= 1: Opening the Cash Drawer

= 0: Before push in the cash drawer this bit must be "0".

Note: The default is "CD control 1" for user to control cash drawer.

The "CD control 2" for dual cash drawer issue*

***Must** collocate with specific RJ11 cable

**Cash Drawer Control Command Example**

Use Debug.EXE program under DOS

| **Command** | **Cash Drawer** |
|---|---|
| O A24 40 | Open cash drawer (CD control 1) |
| O A24 00 | Open cash drawer (CD control 1) |

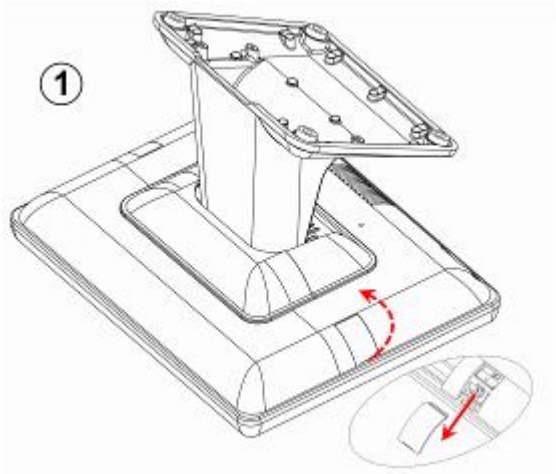
- Set the I/O address A24h bit6 =1 (opening cash drawer (CD control 1))
- Set the I/O address A24h bit6 =0 (Before push in the cash drawer this bit must be "0")

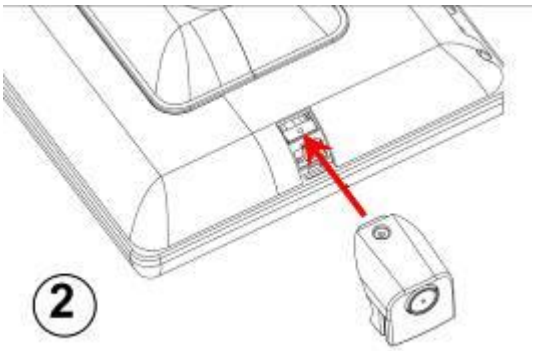
| **Command** | **Cash Drawer** |
|---|---|
| I A24 | The status of cash drawer |

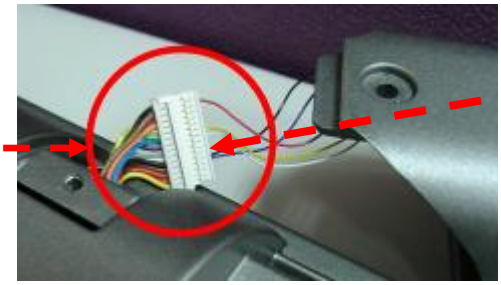
- The I/O address A24h bit0 =0 (Cash Drawer is opened)
- The I/O address A24h bit0 =1 (Cash Drawer is close or no cash drawer connected)

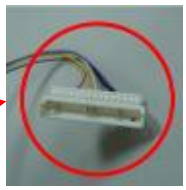
# Install the MSR & I-Button Reader

1. Open the right side cover of system. * MSR connection is supported on the right side
2. Connect MSR to System connector, system connector supports PS/2 and RS-232 interface.
3. Fasten the MSR screw on system



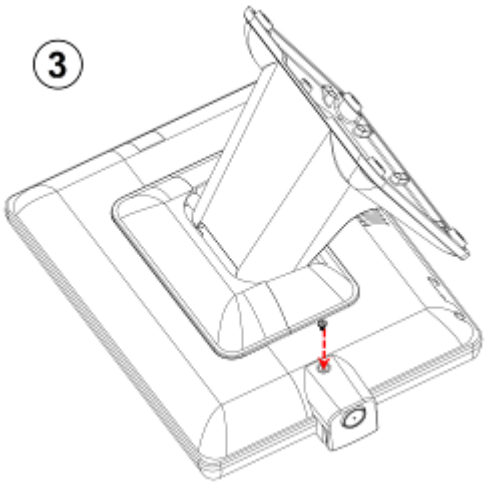



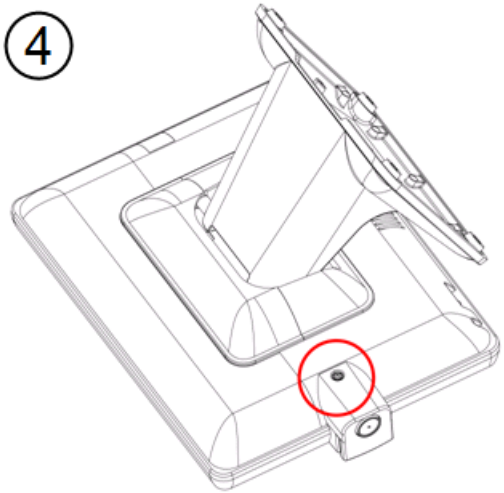





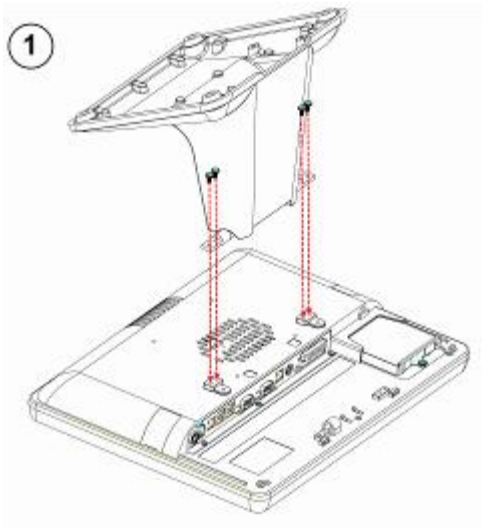
MSR: RS-232 Interface

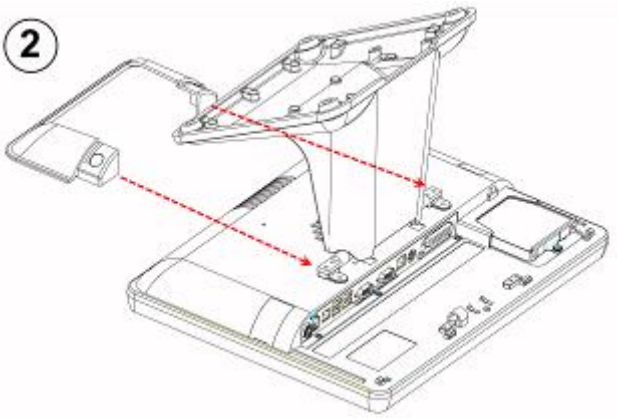
System connector supports PS/2 and RS-232 interface



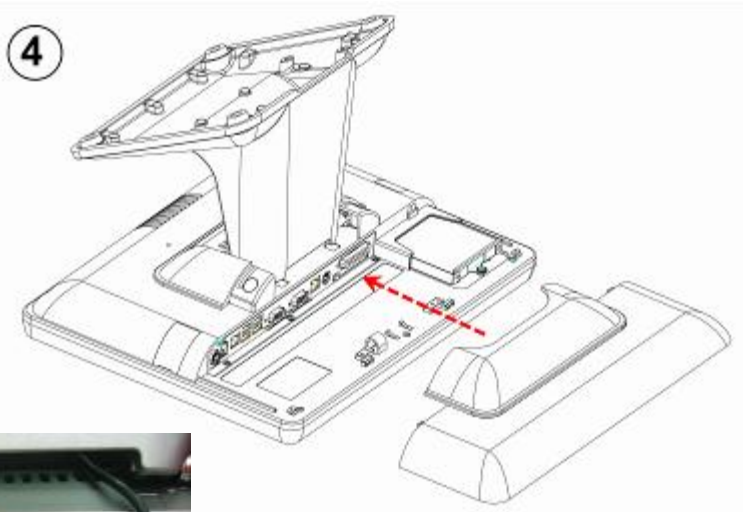



# Install the Die-casting aluminum base

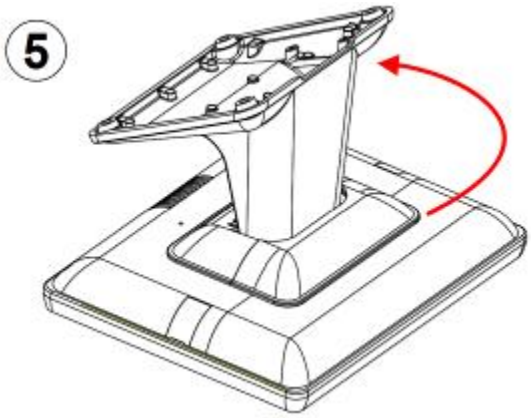


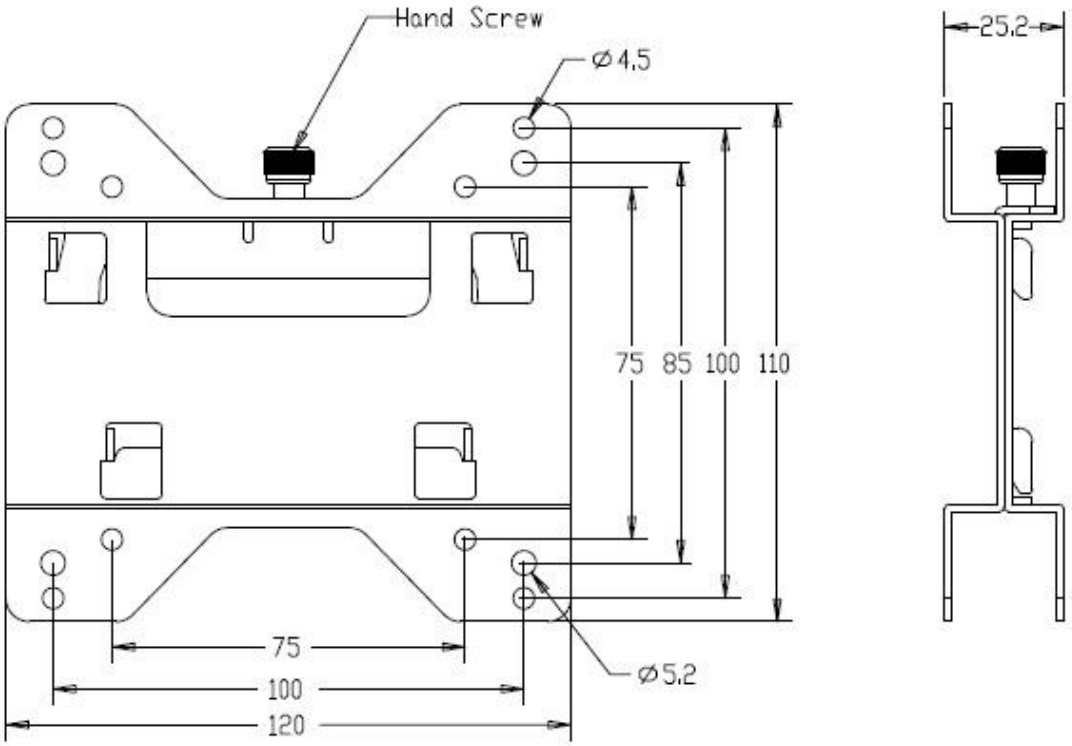


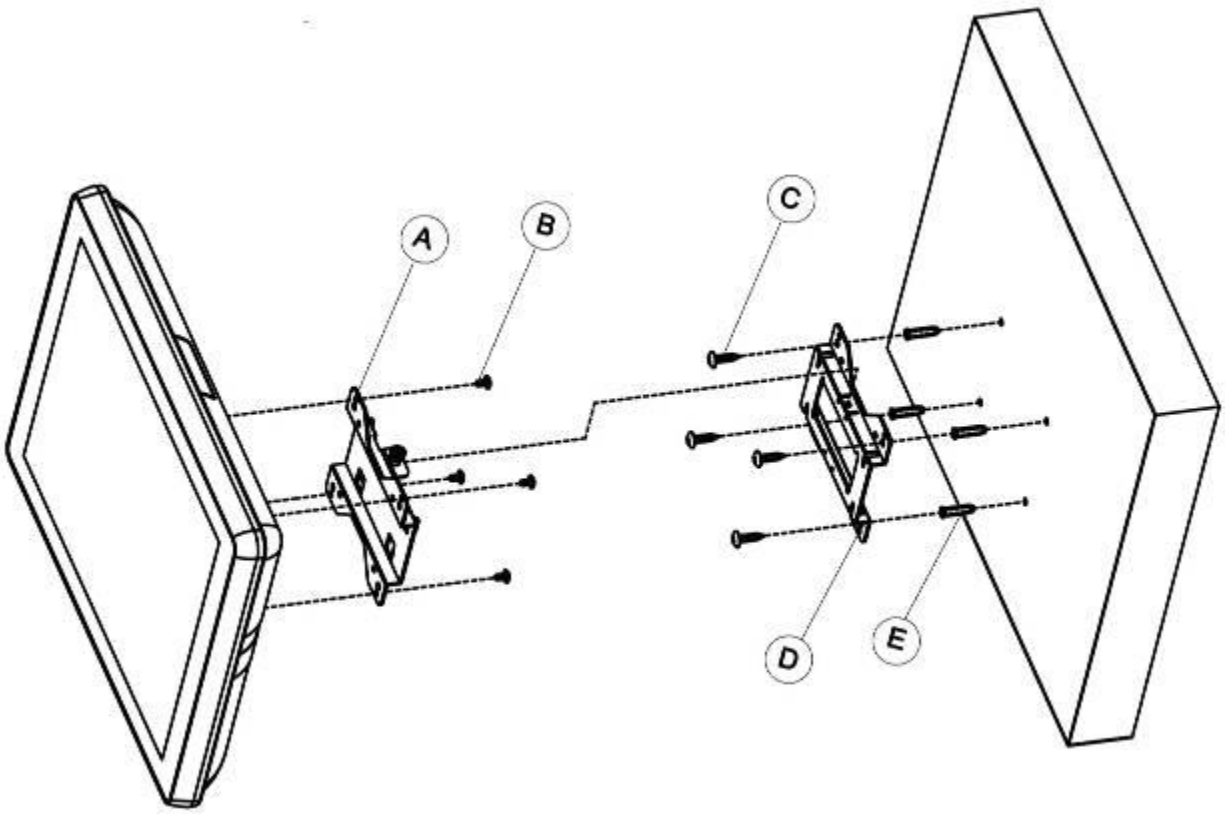



Power & VFD Cable Management



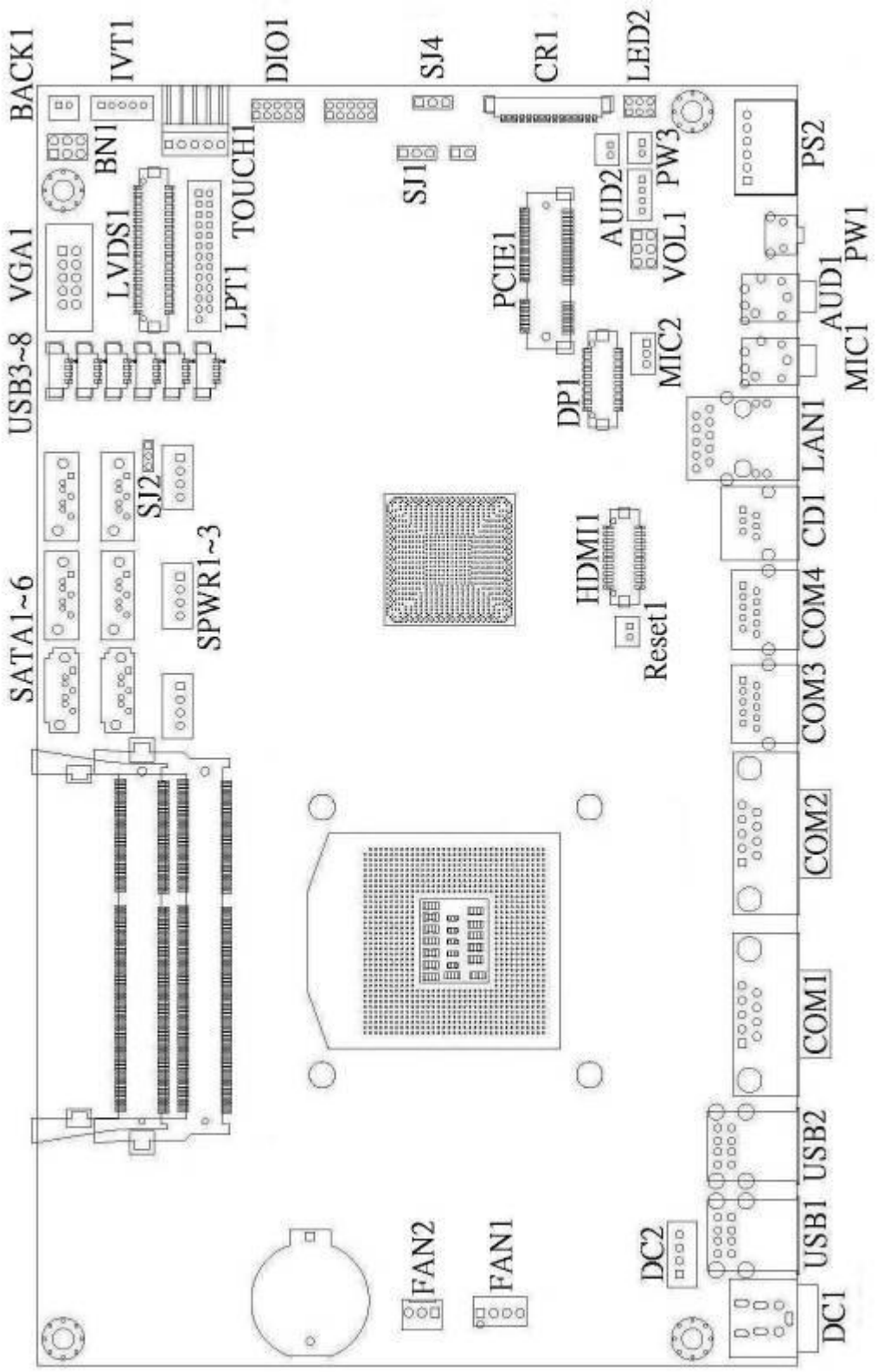

# Install the Wall Mount Kits



# Motherboard information

## Motherboard Layout (Sandy Bridge)



## Connectors & Jumper Settings

| | |
|---|---|
| DC1 | Mini Din 4P for Power Input Port |
| DC2 | Internal Power Input Connector |
| CD1 | RJ11 for Cash Drawer Port |
| USB1, 2 | USB dual stack for USB Port |
| USB3, 4, 5, 6, 7, 8 | USB Connector |
| COM1, 2 | D-SUB 9 Pin for COM1, 2 Port |
| COM3, 4 | RJ48 for COM3, 4 Port |
| LAN1 | RJ45 for LAN Port |
| SATA1, 2, 3, 4, 5, 6 | SATA 7 Pin for SATA1, 2, 3, 4, 5, 6 Connector |
| SPWR1, 2, 3 | Power Output for SATA HDD |
| LVDS1 | LCD Connector |
| VGA1 | VGA Connector |
| CR1 | Card Reader Connector |
| AUD1 | AUDIO Jack for Line-Out |
| AUD2 | Speaker out Connector |
| MIC1 | AUDIO Jack for MIC in |
| MIC2 | MIC in Connector |
| PS2 | PS/2 for Keyboard |
| LPT1 | Printer Connector |
| TOUCH1 | 5W Resistive Touch Connector |
| PCIE1 | Mini PCI-E Socket |
| PW1 | Power Button |
| PW3 | Power Button Connector |
| IVT1 | Inverter Connector |
| FAN1 | CPU Fan Connector |
| FAN2 | System Fan Connector |
| LED2 | LED Connector |
| DIO1 | Digital Input / Output Connector |
| HDMI1 | HDMI Connector |
| DP1 | DisplayPort Connector |
| SJ1 | Clear CMOS |
| SJ2 | SATA Power Enable for SATA4 |

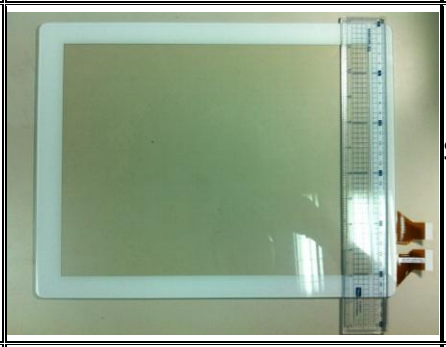
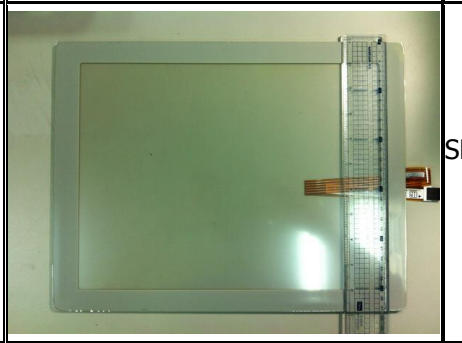
**SJ1: Clear CMOS Setup**

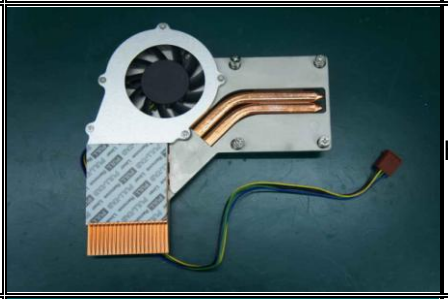
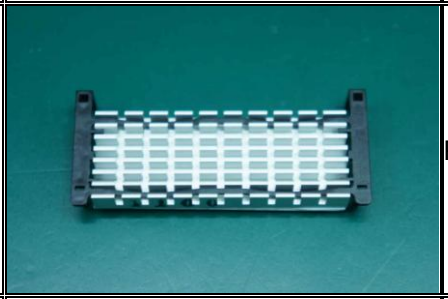
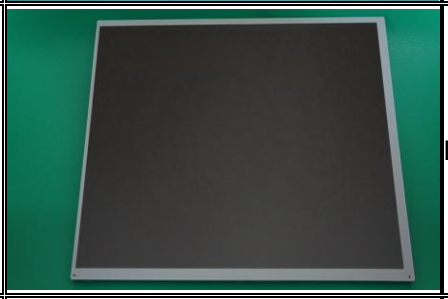
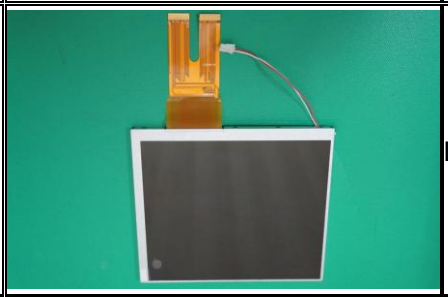
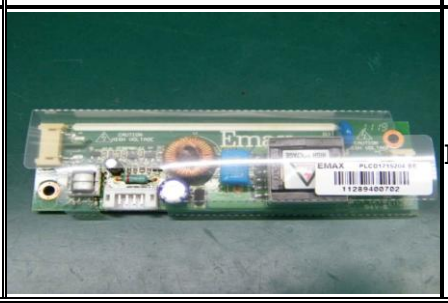
| JCLR1 | Description |
|---|---|
| 1-2 | Clear CMOS |
| 2-3 | Normal operation |

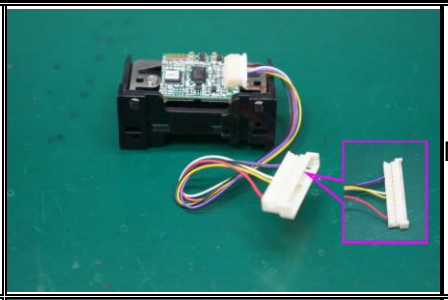
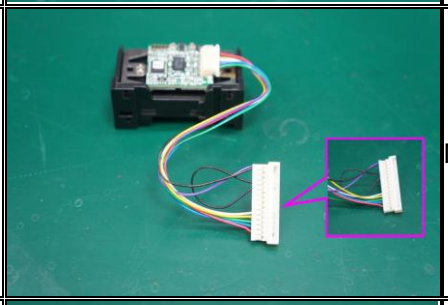
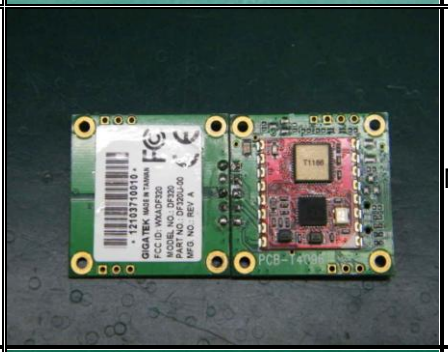
**COM3 / 4 : RJ48 for COM3 / 4 Port**

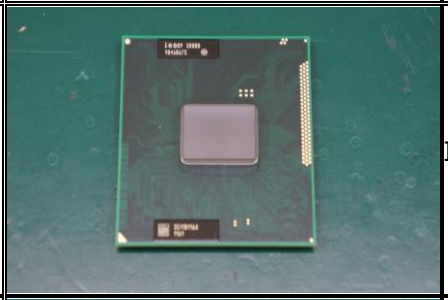
| | | | |
|---|---|---|---|
| PIN1 | N/C | PIN2 | DCD |
| PIN3 | DSR | PIN4 | RX |
| PIN5 | RTS | PIN6 | TX |
| PIN7 | CTS | PIN8 | DTR |
| PIN9 | GND | PIN10 | RI |

# Spare parts List

| Part Number | Photo | Description |
|---|---|---|
| XTOUCHCB002A |  | SPARE PARTS: TOUCH PANEL CAPACITIVE no grid W/LED hole(BLACK) ASS'Y,PP01 |
| XTOUCHCW002B |  | SPARE PARTS: TOUCH PANEL CAPACITIVE no grid W/LED hole (WHITE) ASS'Y,PP01 |
| XTOUCHRB001A |  | SPARE PARTS: TOUCH PANEL RESISTIVE W/LED cable (BLACK) ASS'Y,PP01 |
| XTOUCHRW001A |  | SPARE PARTS: TOUCH PANEL RESISTIVE W/LED cable (WHITE) ASS'Y,PP01 |
| XTCONTROL01B |  | SPARE PARTS: PCT TOUCH CONTROLER ASS'Y,PP01 |

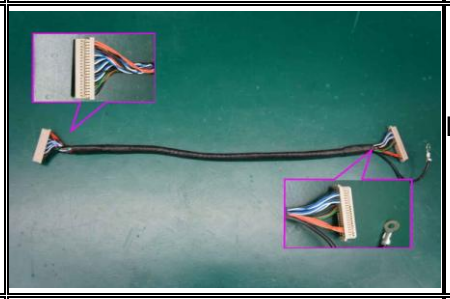
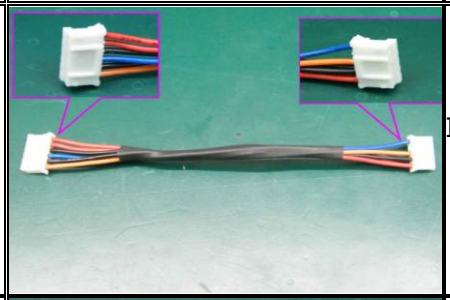
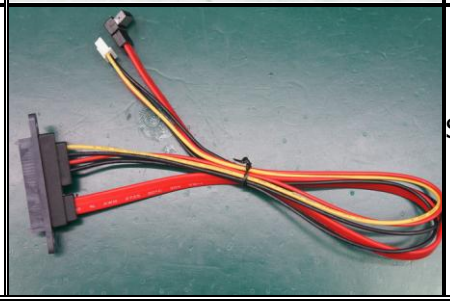
| | | |
|---|---|---|
| **51PE062HM650** |  | SPARE PARTS: MAIN BOARD: PE06, SANDY BRIDGE SOCKET G2 FOR rPGA989+QM67(HM65 W/O SDVO IC) |
| **3XMC0000003A** |  | HEATSINK W/thermal pad, FOR VARI POS/PPC 815 |
| **3XMC00000080** |  | RAM Modular HEATSINK W/thermal pad |
| **6PN115052110** |  | LCD PANEL: AUO , 15" TFT, 1024x768 |
| **6PN117001710** |  | LED PANEL FOR 2$^{ND}$ DISPLAY |
| **61V205510400** |  | INVERTER:DUAL LAMP 5.5mA PLCD1715204BE |

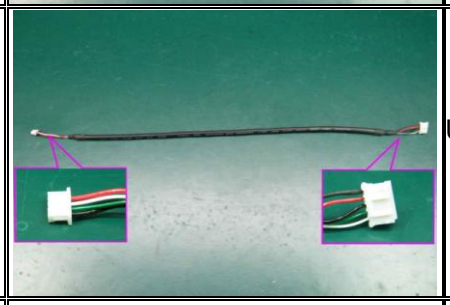
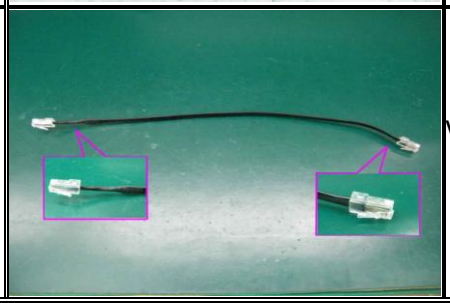
| | | |
|---|---|---|
| **6CR000000010** |  | MSR Module RS232 |
| **6CR000000020** |  | MSR Module PS2 |
| **6CR842000000** |  | I-BUTTON READER MODULE |
| **6PP000000031** |  | FINGERPRINT: USB FINGERPRINT READER MODULE<br>50012-001 |
| **6PP000000021** |  | MIFARE SECTOR READER (MF320U-PD) |
| **6LN0WA160CUN** |  | WIRELESS 802.11 b/g/n USB WA-160CUN (ABOCOM) |

| | | |
|---|---|---|
| **2SP2W0081040** |  | Seaker:25*14 4(Ω) 2.0W/2.5W(Max) |
| **6RMS04G48A10** |  | RAM: 4G DDRIII 1333MHz 204P,BRAND:HYNIX (256Mx8*16) |
| **6RMS02G48A10** |  | RAM: 2G DDRIII 1333MHz 204P,BRAND:HYNIX (256Mx8*8) |
| **2UCPUCELB810** |  | INTEL CPU : Celeron B810 |
| **2UCPUI32330M** |  | INTEL CPU : i3 2330E |
| **2UCPUI52510E** |  | INTEL CPU : i5 2510E |

| | | |
|---|---|---|
| **XHDD32000010** |  | HDD 320G ASSY,PP01 |
| **XSSD008IN010** |  | INNODISK SSD 8G ASSY,PP01 |
| **XSSD016IN010** |  | INNODISK SSD 16G ASSY,PP01 |
| **XSSD032IN010** |  | INNODISK SSD 32G ASSY,PP01 |
| **XSSD064IN010** |  | INNODISK SSD 64G ASSY,PP01 |
| **52F008V10006** |  | VFD BOARD: W/FUTABA/10P8C(COM) V1.0<br>Cable: **3CW000000740** |

| | | |
|---|---|---|
| **52FVFDV1000D** |  | VFD BOARD: PE02 V1.0<br>Cable: **3CW000000150** |
| **52ADB0000010** |  | AD BOARD FOR 2ND DISPLAY |
| **6PWA1204C000** |  | POWER ADAPTER: DC12V/10A EA11353A-120(25) |
| **3CP000000050** |  | POWER CORD (Brazil) TO MINI 3P |
| **3CP000000040** |  | POWER CORD (AU) TO MINI 3P |
| **3CP000000030** |  | POWER CORD (UK) TO MINI 3P |

| | | |
|---|---|---|
| **3CP000000010** |  | POWER CORD (USA) TO MINI 3P |
| **3CP000000020** |  | POWER CORD (EU) TO MINI 3P |
| **3CW000000530** |  | LCD CABLE: A1255-H P=1.25 2x15pin female, A1253-H P=1.25 20pin female, 260mm |
| **3CW000000522** |  | VGA CABLE: internal VGA cable with power connecter D-SUB15PIN male, DuPont2.54, 2*5PIN+JST 2.0 4PIN,140mm, |
| **3CW000000020** |  | Inverter cable: JSP P=2.0 6pin female, JST P=2.0 5pin female, 100mm |
| **3CW000000540** |  | SATA HDD cable: SATA 7+15pin female, SATA 7pin female, JST P=2.5 4pin female, 230mm |

| | | |
|---|---|---|
| **3CW000000060** |  | Power button cable: JST P=2.0 2pin female, MR-21S-MZBB-F2, 200mm |
| **3CW000000560** |  | MSR extend cable: MOLEX P=1.25 15pin female, MOLEX P=1.25 15pin female, 150mm |
| **3CW000000090** |  | USB cable: JST P=2.0 5pin female, MOLEX P=1.25 4pin female, 320mm |
| **3CW000000050** |  | LPT cable: DuPont P2.0 2x13pin female, DB25, 1600mm |
| **3CW000000150** |  | VFD cable: RJ48 10P10C TO RJ48 10P10C L=160mm(KC3951) for **52FVFDV1000D** |
| **3CW000000740** |  | VFD cable: RJ48 10P10C TO RJ48 10P10C L=160mm for **52F008V10006** |

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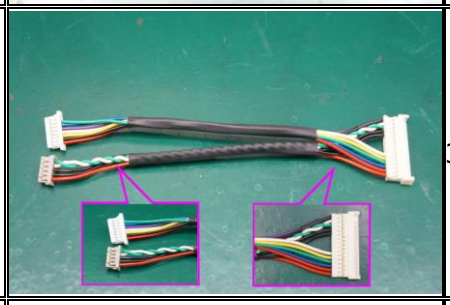
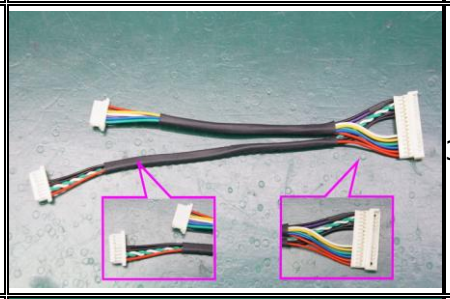
|---|---|---|
| **3CW000000180** |  | VGA+POWER CABLE FOR 2ND DISPLAY: D-SUB15PINmale, DC 5.5-2.5, D-SUB15PINfemale, 300mm |
| **3CW000000300** |  | 3 in 1 cable: for MSR, Finger printer and I-Button |
| **3CW000000310** |  | 3 in 1cable: for MSR+RFID only |
| **3CW000000190** |  | Extend VGA cable:DS-UB15PIN female,D-SUB15PIN female,110mm, W/O power pin |
| **3CMD9MJT0100** |  | COM3 CABLE: RJ45/DB9 |
| **3P00040B0600** |  | LCD SIDE COVER: Gray |

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|---|---|---|
| **3P00040E0400** |  | LCD SIDE COVER: White |
| **3P00040B0200** |  | LCD SIDE COVER: Black |
| **3P00050D0200** |  | HINGE COVER: Black |
| **3P00050D0600** |  | HINGE COVER: Gray |
| **3P00050F0400** |  | HINGE COVER: White |

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|---|---|---|
| **3P00050D1000** |  | HINGE COVER: Green |
| **3P00050D0800** |  | HINGE COVER: Red |
| **3P00032D0800** |  | PPC I/O cover: Red |
| **3P00032D0600** |  | PPC I/O cover: Gray |
| **3P00032F0400** |  | PPC I/O cover: White |

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|---|---|---|
| **3P00032D1000** |  | PPC I/O cover: Green |
| **3P0003D0200** |  | PPC I/O cover: Black |
| **3P00030D0610** |  | POS I/O cover w/o VFD: Gray |
| **3P00030D0810** |  | POS I/O cover w/o VFD: Red |
| **3P00030D1010** |  | POS I/O cover w/o VFD: Green |

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|---|---|---|
| **3P00030F0410** |  | POS I/O cover w/o VFD: White |
| **3P00030D0210** |  | POS I/O cover w/o VFD: Black |
| **3P00031D0610** |  | POS I/O cover W/VFD: Gray |
| **3P00031D0810** |  | POS I/O cover W/VFD: Red |
| **3P00031D1010** |  | POS I/O cover W/VFD: Green |

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|---|---|---|
| **3P00031F0410** |   | POS I/O cover W/VFD: White |
| **3P00031D0210** |  | POS I/O cover W/VFD: Black |
| **3P00060D0600** |  | VFD cover: Gray |
| **3P00060D0800** |  | VFD cover: Red |
| **3P00060D1000** |  | VFD cover: Green |

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|---|---|---|
| **3P00060F0400** |  | VFD cover: White |
| **3P00060D0200** |  | VFD cover: Black |
| **3P00090D0600** |  | 2nd display rear cover: Gray |
| **3P00090D0800** |  | 2nd display rear cover: Red |
| **3P00090D1000** |  | 2nd display rear cover: Green |

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|---|---|---|
| **3P00090F0400** |  | 2nd display rear cover: White |
| **3P00090D0200** |  | 2nd display rear cover: Black |
| **3P00070P0910** |  | VFD LENS |
| **3P00110K0200** |  | 2nd display LENS: Black |
| **3P00110K0400** |  | 2nd display LENS: White |

# Version Change History

| Version | Change Date | Change Content |
|---|---|---|
| V1.0 | October, 2011 | 1st Release |
| V1.1 | Feb, 2012 | Upgrade spare parts |
| V2.0 | Dec, 2012 | Structure change<br>Add more product information |
| V2.1 | Jul, 2013 | Modified support OS |
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