POS-1000

Fanless Full-Flat POS Terminal

User Manual

POS-1000B-P

Ver. 1.0

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General Information

ABOUT THIS MANUAL

The purpose of this user's manual is to provide general information on TYSSO's POS Terminal and to show the users how to configure the hardware-related configurations. The information in this manual is subject to change without notice due to rapid improvement on IT technology. Users can get the most up to date information from our web sites: http://www.fametech.com.tw

DISCLAIMER

This manual has been examined for accuracy. While precaution has been taken in the preparation of this manual, neither the manufacturer takes no liability for errors or omissions nor assume any responsibility for damage(s) incurred directly or indirectly from errors, omissions, or discrepancies of this manual.

IN NO EVENT WILL THE VENDOR BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THIS PRODUCT OR DOCUMENTATION, EVEN IF THE POSSIBILITY OF SUCH DAMAGES HAS BEEN ADVISED. IN PARTICULAR, THE VENDOR SHALL NOT HAVE LIABILITY FOR ANY HARDWARE, SOFTWARE, OR DATA STORED OR USED WITH THE PRODUCT, INCLUDING THE COSTS OF REPAIRING, REPLACING, OR RECOVERING SUCH HARDWARE, SOFTWARE OR DATA.

WARNING

The terminal has been tested and found to comply with the limits for a Class a digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interface in a residential installation. This equipment can generate and radiate radio frequency energy and, if not installed and used according to the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interface will not occur under particular installation. If this equipment does cause harmful interference to radio or television reception, which is found by turning the equipment off and on, the user is encouraged to try to correct the interface by one or more of the following measures:

Reorient or relocate the receiving antenna.
Increase the distance between the equipment or device.

- Connect the equipment to an outlet other than the receiver's.
  Consult a dealer or an experienced radio/TV technician for assistance.

CAUTION

The system is provided with a battery-powered Real-Time Clock circuit. There is a danger of exposing and personal injury if the battery is incorrectly replaced or mistreated. Do not attempt to disassemble the battery, immerse it in the water or expose it to fire.

WARRANTY LIMITS

If the product and the parts are disassembled by any person other than the authorized technicians, the warranty will be terminated. The users should consult his/her dealer for any technical problems. Warranty does not cover any damage caused by improper use.

TRADE MARKS AND SERVICE MARKS

TYSSO is a registered trademark of FAMETECH INC.

Other brand and product names are trademarks and registered trademarks and service marks of their respective owners.

IMPORTANT SAFETY INFORMATION

Read following instructions carefully.

Use only parts, especially power adapter, recommended by the manufacturer; unapproved parts may be hazardous.

Before plugging the power cord into the AC inlet of the power supply unit, make sure that the voltage applied to the power outlet is within the specified range (100V~240V).

Improper power source voltage range will cause damage to the power supply unit.

Power off the system and remove the power adapter while cleaning the system.

Before powering on the system, make sure all the peripherals are firmly installed.

Do not use the system near water, such as a bathtub, a washbowl, a kitchen sink, a laundry tub, and a swimming pool. Do not expose the machine under direct sunlight, and keep it away from any heat source.

Do not place the system on an unstable cart, stand or table. If the machine falls, it may injure a person or cause serious damage to the appliance.

The system is equipped with a three-wire grounded plug with a third (grounding) pin. This is a safety feature. If your outlet does not accommodate the three-wire plug, have an electrician install a correct outlet, or use an adapter to ground the appliance safely. Do not leave out the safety purpose of the grounded plug.

Do not allow anything to rest on the power cord. Do not locate the system where people may walk on the cord.

Do not make the power outlet and extension cords overload. Overload can result in fire or electric shock.

Do not push any object into the computer cabinet. Dangerous voltage points may be touched and the parts may be shorted out resulting in fire or electric shock.

Do not attempt to service the system on your own. Opening or removing cover can expose you to dangerous voltage or other hazards.

Power off the system before installing or removing non-PNP (plug and play) devices.

If any of the following situations occurs, unplug the systems from the power outlet immediately and consult with a qualified service person:

1. The power cord or plug is damaged or frayed.
2. Liquid is spilled into the system.
3. The system is dropped or the cabinet is damaged.

When the system is not in use, cover the system and store it with care.

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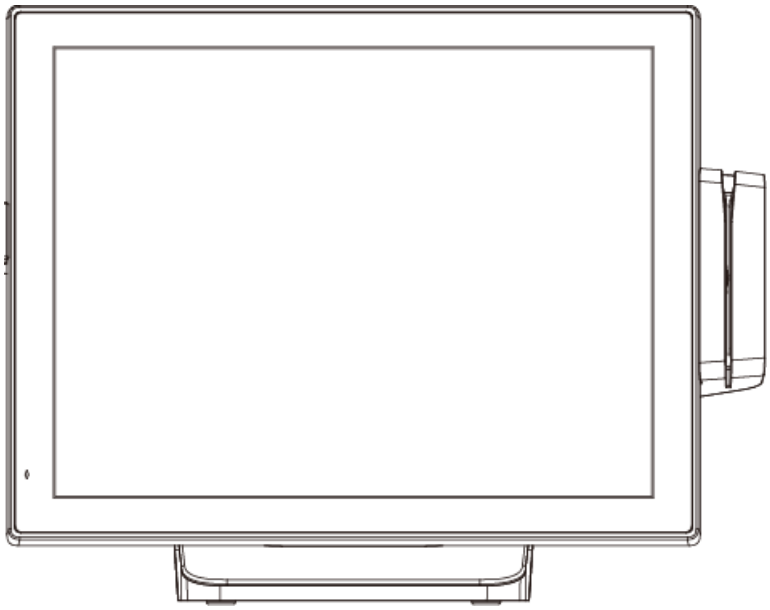
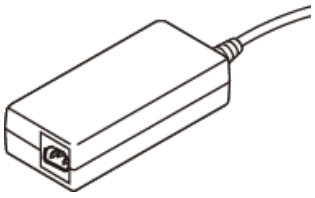
1. Product Overview

1.1. Packing



POS Unit



Power Adaptor

AC Power Cord

Quick Installation Guide

Contents

- POS Unit x 1
- Power Adapter x 1
- AC Power Cord x 1
- Quick Installation Guide x 1

Optional Accessories

- Magnetic Stripe Card Reader (MSR)
- Modular Customer Display
- i-Button Module
- Secondary LCD Display

* For more information relating to the other optional peripherals, please contact the local representatives or technical support personnel of the providers.

1.2. Specifications

Model	**POS-1000B-P**
Main Board	
CPU	Intel® Bay Trail-D Platform, Celeron® Processor J1900 (2.0 GHz, 2M Cache)
System Memory	2 x DDR3L SO-DIMM 1333MHz, up to 8 GB
Graphic	Intel® HD Graphics
OS Support	POSReady7, Windows7, Windows8.1, Windows10, Linux
Display	
Display Type	15” Full Flat LCD Monitor
Brightness	300 nits
Resolution	1024 x 768 Pixel
Touch Screen	5-Wire Resistive Type or Projective Capacitive
Tilting Angle	15~85 Degrees
Storage	
HDD	1x 2.5" SATA III
Interface	
USB	6 x USB type A (3 x USB 2.0 and 1 x USB 3.0 in I/O Bracket, 2 x USB 2.0 in Panel Side)
LAN	1 x RJ45 10/100/1000Mbps Giga Ethernet with activity and link LEDs
COM	4 x COM with RI/+5VDC/+12VDC output by BIOS, (COM1~ COM3, setting in I/O Bracket, COM4, USB Type A setting in Panel Side) 1 x COM default +12V for VFD
Parallel	1 x DB25 Parallel Port (option)
VGA	1 x DB-15 VGA Port
Cash Drawer	1 x RJ-11 port with 12V or 24V by jumper
DC Power Out	1 x +12V/5A Power Out
DC Power In	1 x Standard Mini-DIN 4PIN type
Others	
Power Input	+12VDC/5A 60W,4-pin Connector with Lock (External Adaptor: 100~240 VAC, 50/60HZ)
Color	Black
Compliance	FCC / CE / WEEE / RoHS
Weight	5 Kg
Dimension (mm)	355.44 x 302.92 x 204.87
Operating Temperature	0°C~40°C
Operating Humidity	20% ~ 80% RH non-condensing
Storage Temperature	-20°C~ 60°C
Storage Humidity	20% ~ 85% RH non-condensing

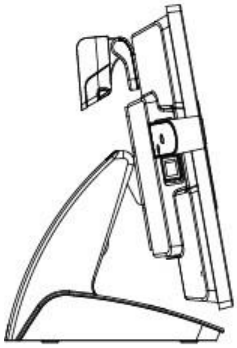
* The specifications are subjected to change without prior notice.

Optional Accessories

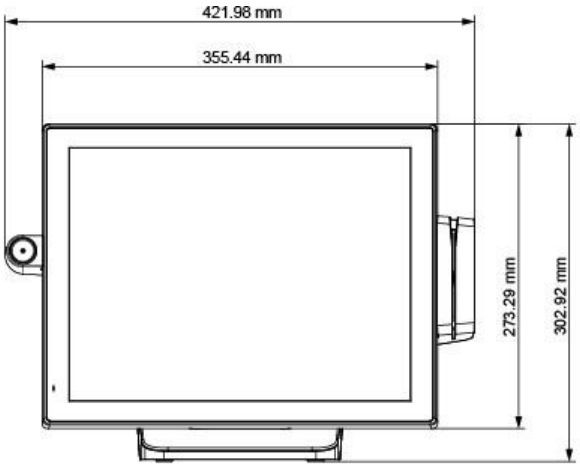
Optional Accessories	
2nd Display	8" (800x 600), 10.4"(800x600) and 15" (1024x768) LCD Display selectable Optional Touchscreen
Customer Display	VFD, 20 Columns x 2 Lines
Magnetic Stripe Reader (MSR)	Bi-directional, comply with ISO 7811 and Track 1 & 2 & 3 supported (HID USB)
i-Button	Dallas i-button Reader

For further information relating to the other optional peripherals, please contact the local representatives or technical support personnel of the providers.

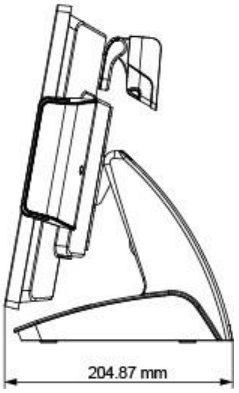
Dimensions



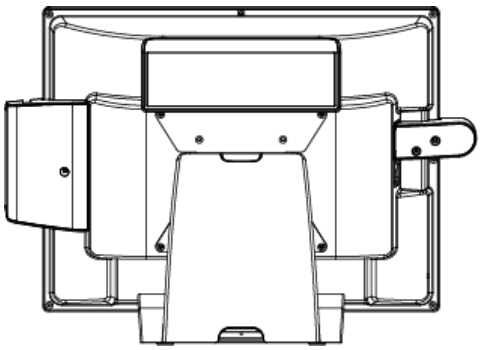
Left View



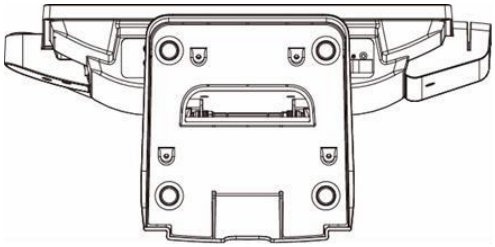
Front View



Right View



Rear View



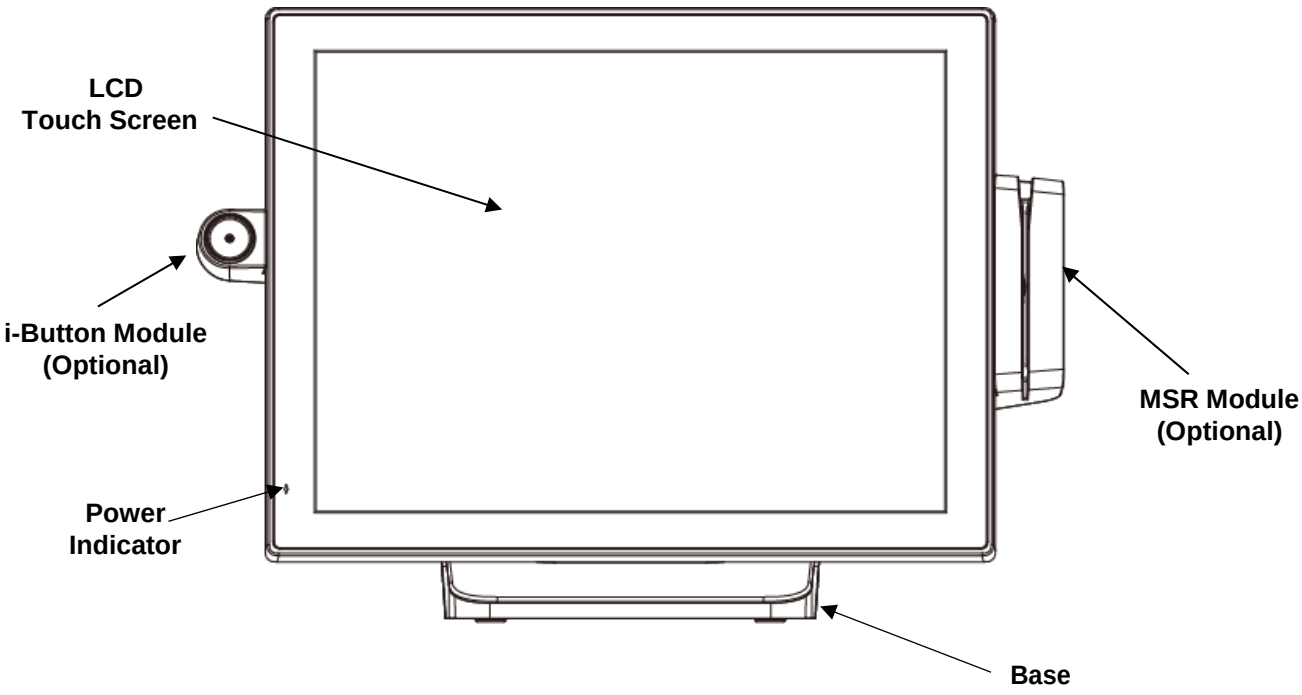
Bottom View

Note:

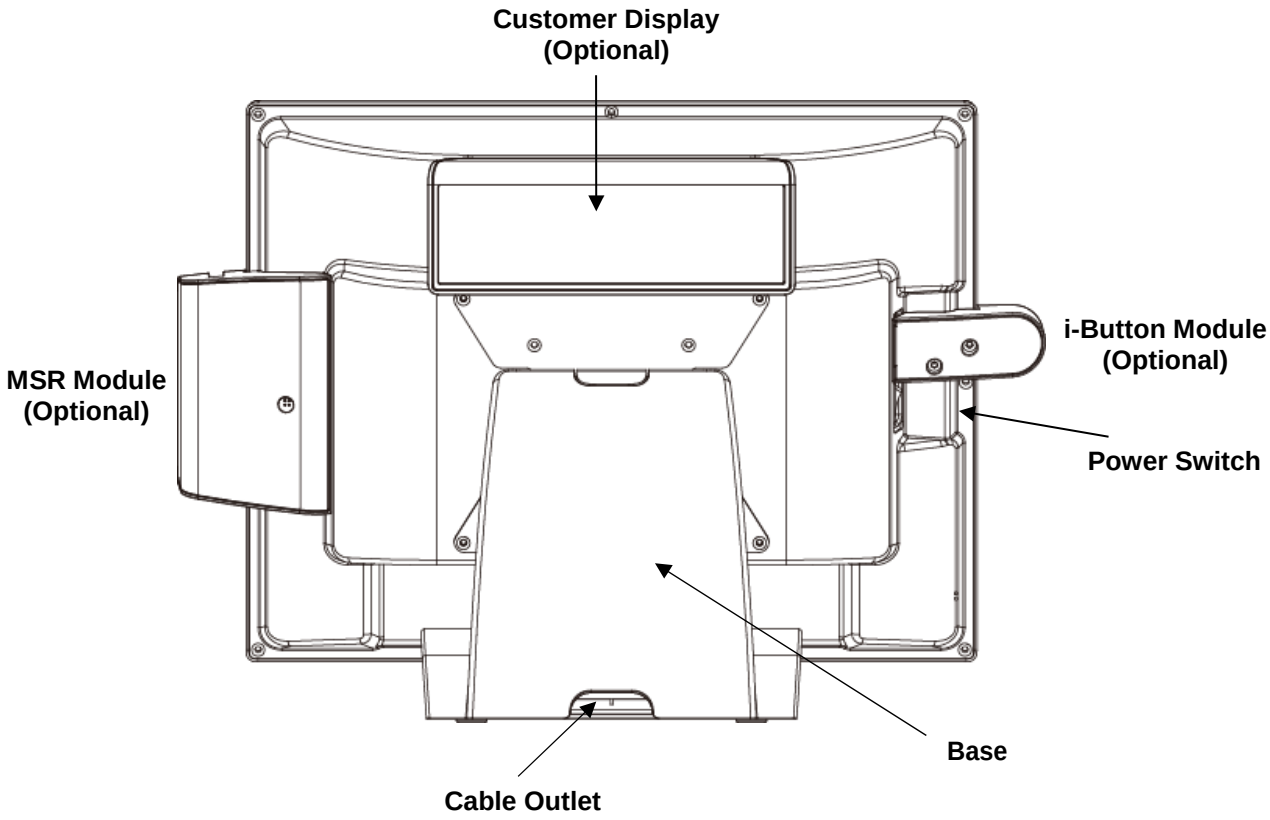
The Magnetic Stripe Card Reader (MSR) and i-Button Module are optional parts and may not be included in the package. Please purchase the optional parts separately.

1.3. Parts Descriptions

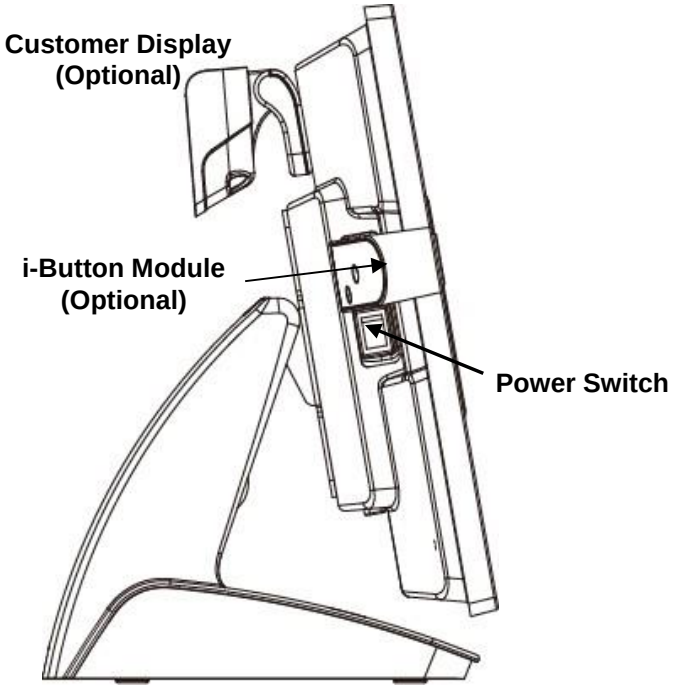
Front View



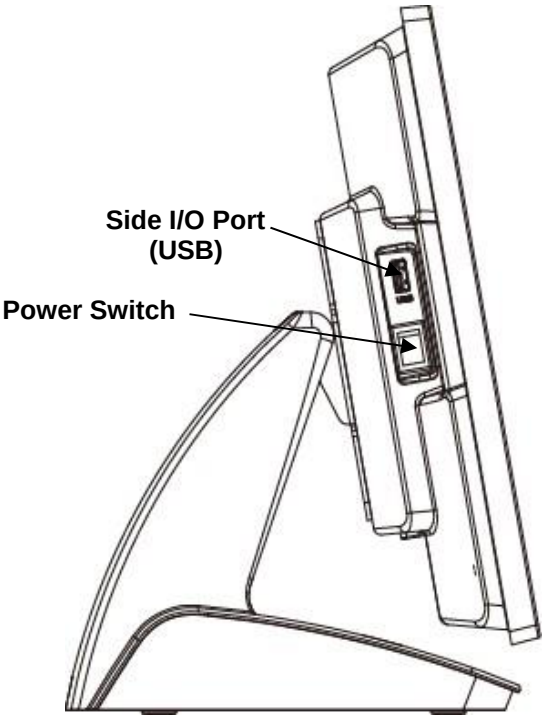
Rear View



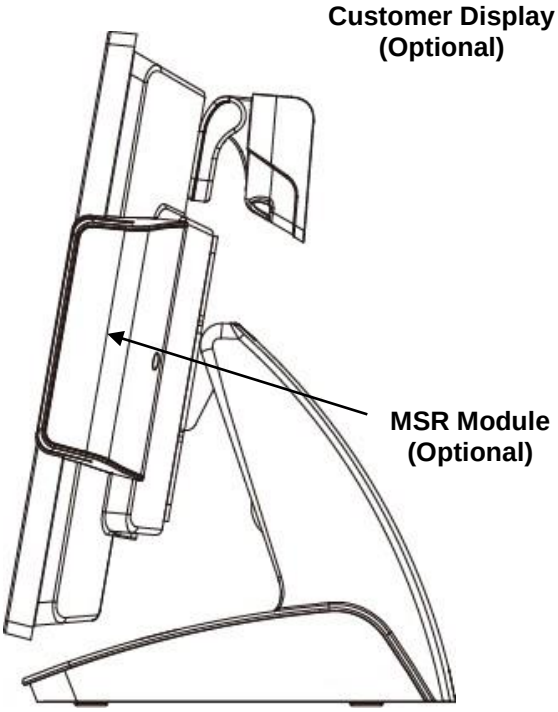
Side View



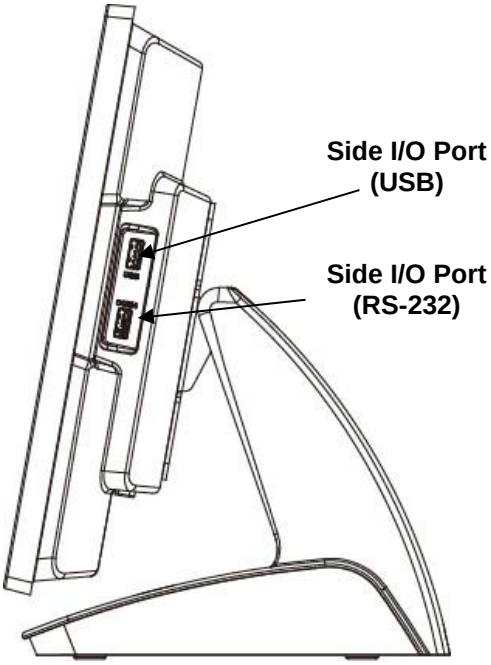
Left View (with Optional i-Button)



Left View



Right View (with Optional MSR &i-Button)

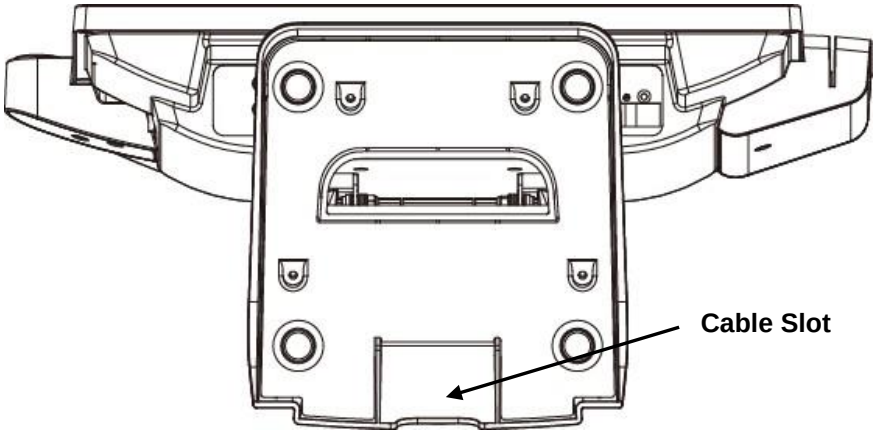


Right View

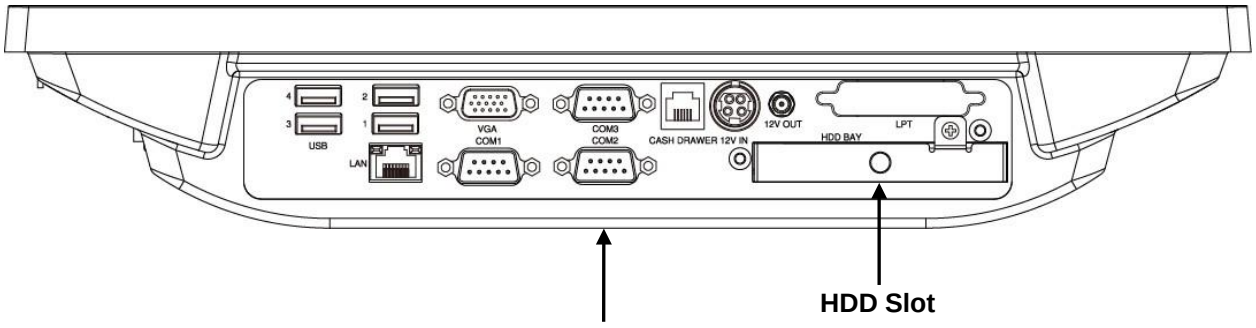
Note:

The right I/O Ports (USB,RS-232) are reserved for MSR Module.

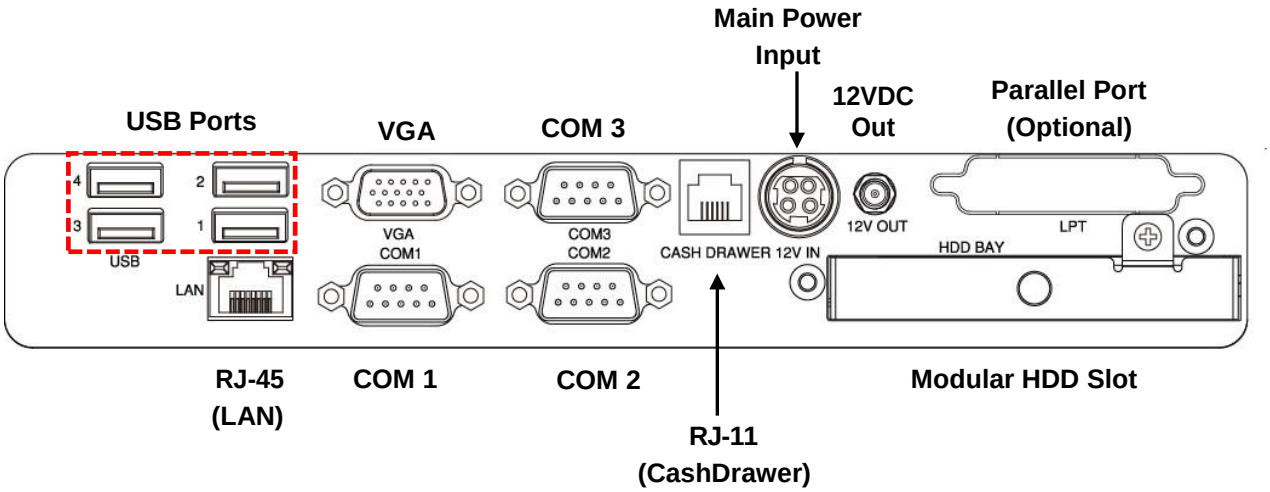
Bottom View (Base)



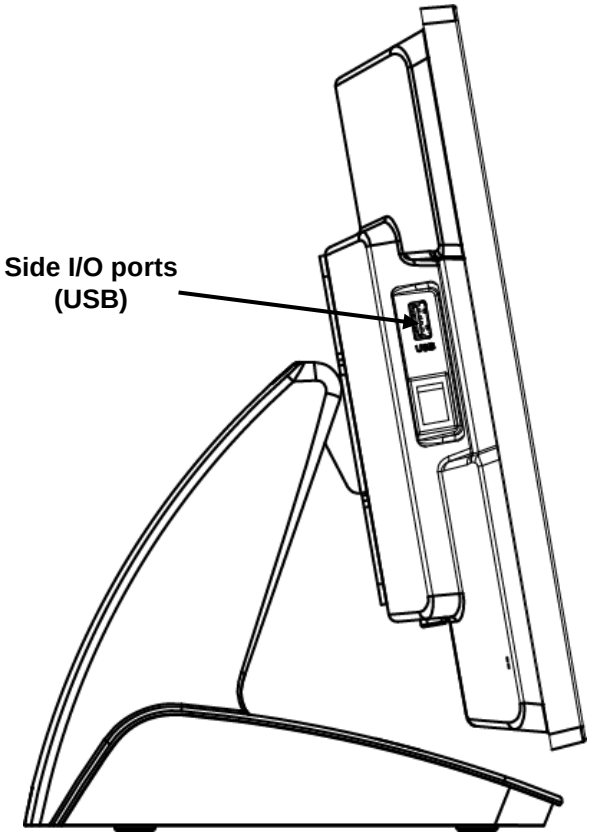
Bottom View (POS Unit)



1.4. I/O Ports



Bottom I/O Ports



Side I/O Ports

I/O Ports Descriptions:

I/O Port	Description
USB	Connect devices with USB connectors.
12V IN	4-pin rounded-power-jack for connecting an AC to +12VDC power adapter.
COM	There are DB9 type and USB Type A with RI/+5VDC/+12VDC output by BIOS **COM1, COM2, COM3:** DB9 type with RI/+5V /12V by BIOS setting in I/O Bracket **COM4:** USB Type A (with RI/+5V /12V by BIOS setting in Panel Side **COM 5:** 10-pin connector with default +12VDC for VFD (internal)
12V OUT	+12VDC jack for customer display or 2nd VGA monitor.
CASH DRAWER	1 x RJ11 connector with selected 12/24V, * Please refer to Appendix for further information).
LAN	1 x RJ-45 connector with link/act integrates speed LED
VGA	1 x 15 pin D-type connector serves to transmit VGA data to the monitor.
HDD BAY	Modular SATA Hard Disk Drive Slot
LPT*	1 x DB25 Parallel Port (optional)

* The LPT port is reserved for custom use and has sealed without connected.
Please contact for local respresentative for further information.

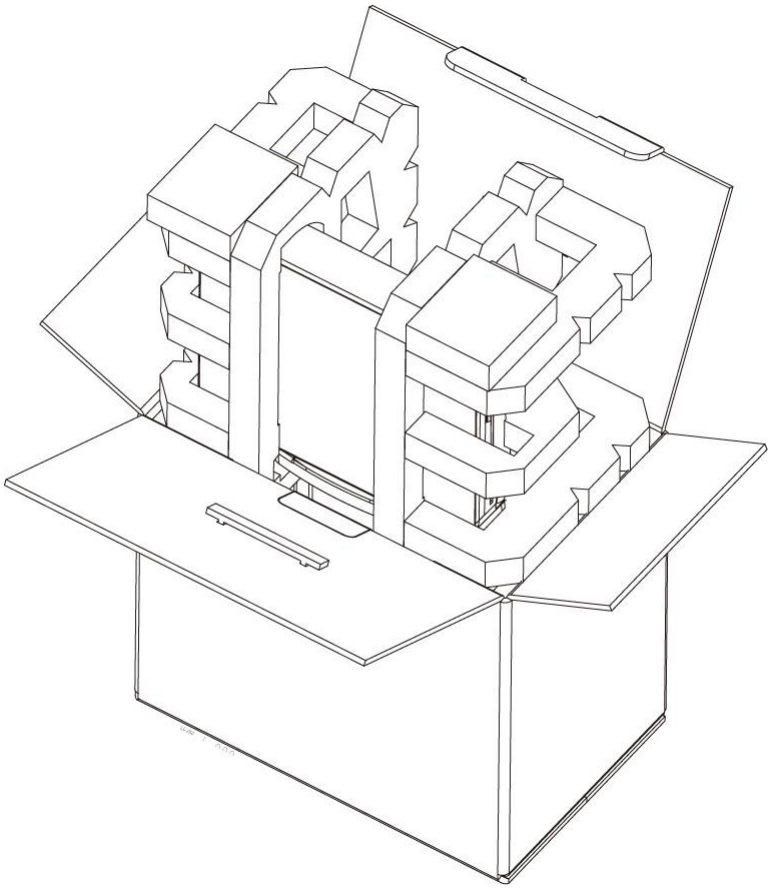
2. POS Installation

2.1. Unpack Your POS

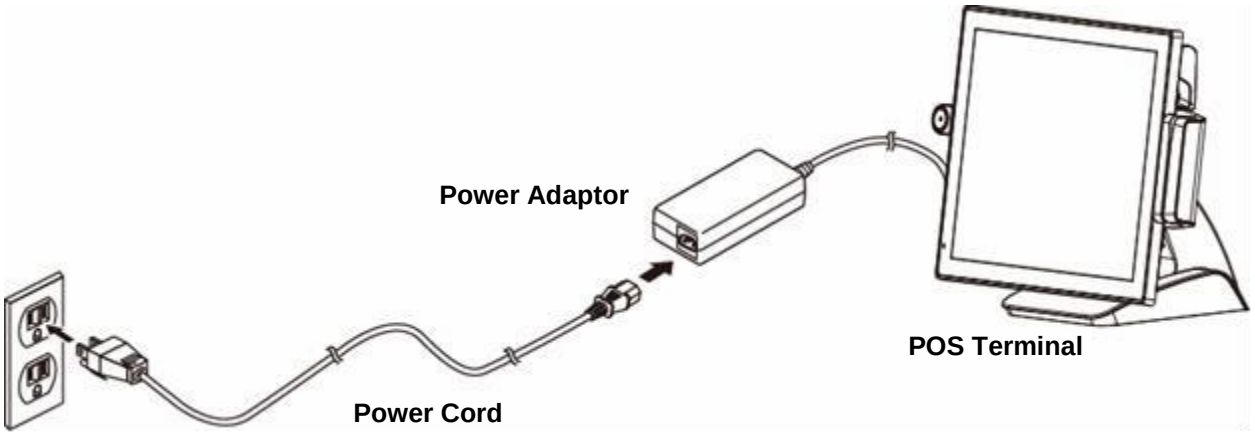
The contents may vary with different options. If there's any physical damage or missing parts, please contact your supplier immediately. Please keep all packing materials in case you need to ship back the device for service.

Unpacking

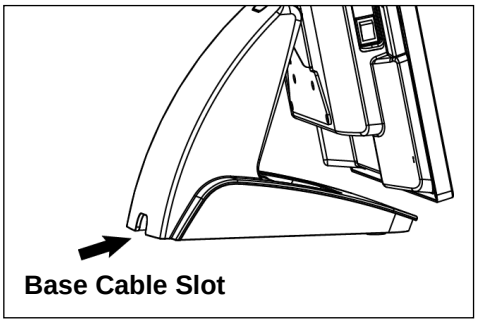
The product and accessories are packed in a paperboard carton. And it is wrapped by foam padding for protection during shipping.

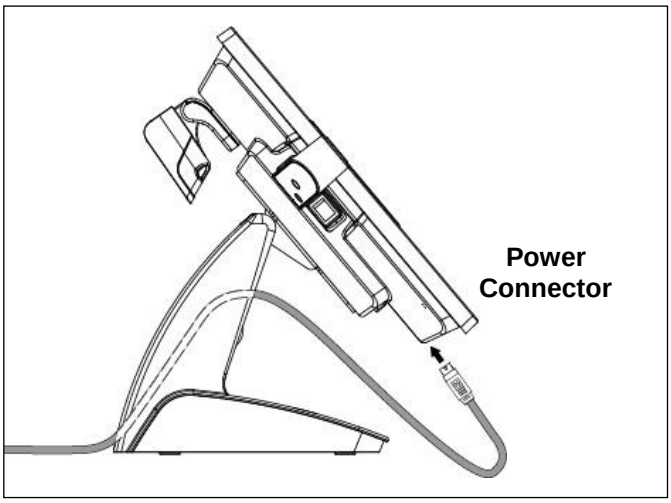


2.2. Install Your POS System



1. Place the POS terminal on the proper location.
2. Pass the power connector of the power adaptor through the Base Cable Slot
3. Connect the power connector to the POS unit (Main Power Input).
4. Connect the optional peripherals to the POS (for example: Mouse, Keyboard, and Barcode Scanner.)
5. Plug the AC power cord to the power adaptor.
6. Plug the AC power cord to the power source (for example: electrical outlet).
7. Examine the Power Connector and Power Cord and should be properly connect to the POS terminal, Power Adaptor, and Power Source.
8. Turn on the switch of the Printer Unit, Customer Display (if pre-installed) and the other optional peripherals.
9. Turn on the POS terminal.





Pass the Power Connector through Base Cable Slot

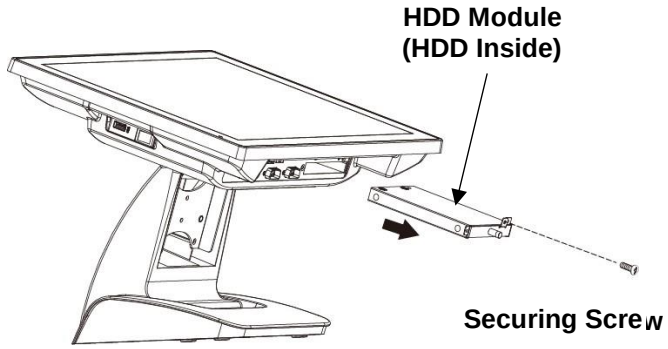
Note:

Always install the POS terminal and the optional peripherals on a flat, clean and stable location.

To prevent obstruction on the operator, reserve appropriate space for the POS terminal and remove unnecessarily objects or items.

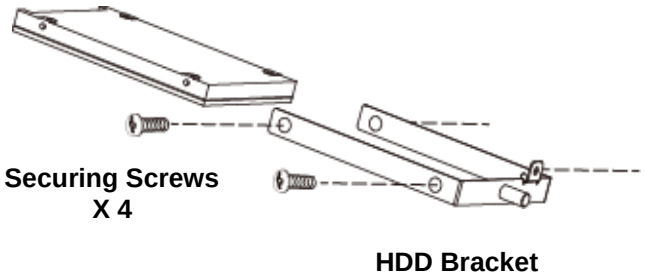
3. Appendix

3.1. Replace Hard Disk



a. Remove the securing screw of the HDD Module from the POS unit.

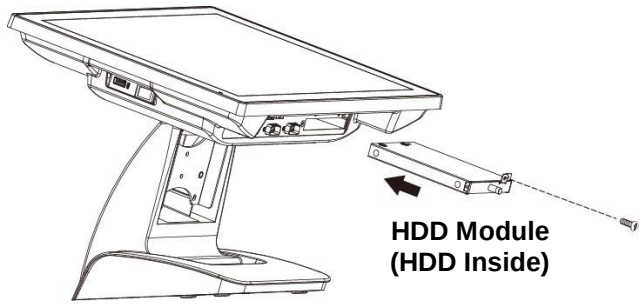
b. Pull out the HDD Module to detach it from POS terminal.



c. Loosen the securing screws to remove the hard disk from the bracket.
Then replace a new hard disk

d. Secure the new HDD to the bracket

e. Re-install the HDD Module (with new HDD) back to the POS unit.

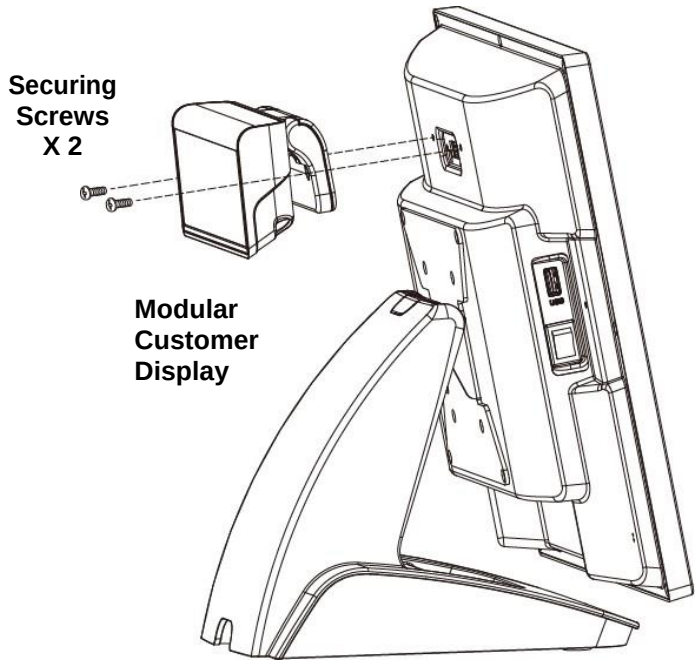


Note:
DO NOT push the HDD module with force.

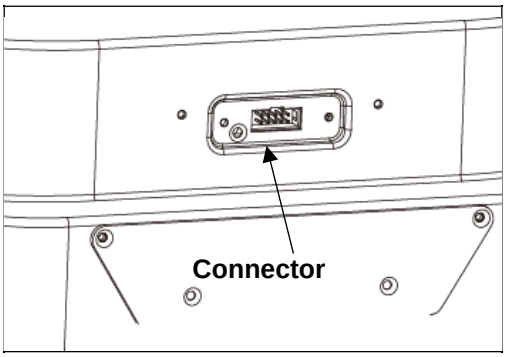
If the HDD module cannot be re-installed back to the HDD slot, it might be in the wrong direction when secure the HDD onto bracket.

Detach the HDD from HDD bracket and overturn the HDD, then secure the HDD to the bracket and install the HDD module to the slot.

3.2. Install the Modular Customer Display (Optional)



a. There is a connector for the Modular Customer Display.



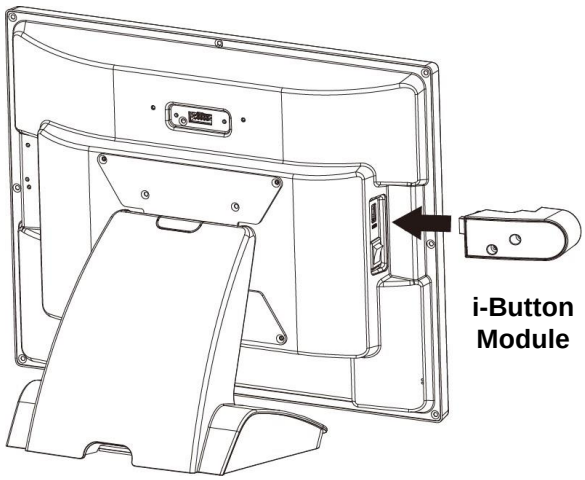
b. Connect the connector of the Modular Customer Display to the POS Unit.

c. Install the Modular Customer Display to the POS Unit.

d. Tighten the securing screws of Modular Customer Display

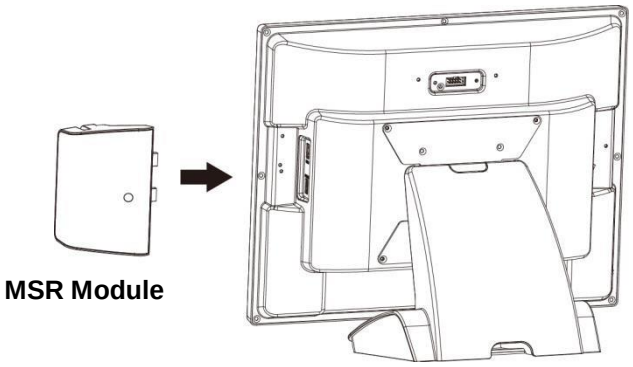
Note:
The Modular Customer Display is an Optional Accessory and is not included in the standard package. Please contact your local representative for further information.

3.3. Install the MSR & i-Button Module (Optional)

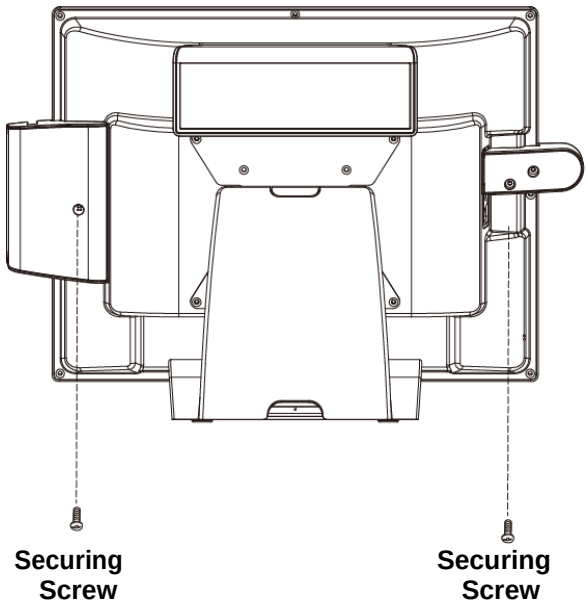


a. Turn off the POS unit.

b. Install the i-Button Module to the I/O port.



c. Install the MSR Module to the Side I/O port.



d. Tighten the securing screws and Turn-on the POS unit.