

KS- 6115

Fanless Touch Terminal w/ Slim Base User's Manual

POSIFLEX



FCC Notes:

Original

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with limits for a Class A digital device pursuant to subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures to correct the interference.

Warranty Limits:

Warranty terminates automatically when any person other than the authorized technicians opens the machine. The user should consult his/her dealer for the problem happened. Warranty voids if the user does not follow the instructions in application of this merchandise. The manufacturer is by no means responsible for any damage or hazard caused by improper application.

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P/N: 16520901010

Part 1

ALERT TO OUR HONORABLE CUSTOMERS:

- Please always read thoroughly all the instructions and documents delivered with the product before you do anything about it. Don't take any premature action before you have a full understanding of the consequences.
- This product contains inside a Lithium battery. Please always follow local environmental protection laws / regulations for disposal of used batteries and always replace only with battery of same type.

DAILY MAINTENANCE GUIDE

For regular cleaning of the KS systems, please use only soft haired brush or dry soft cloth. You may use moist soft cloth to remove stains when necessary. Apply only proper amount of mild neutral detergent for obstinate stains. Please note that never use Acryl dissolving solvent or Polycarbonate dissolving solvent. You may apply ammonia-based glass cleaner only on the screen surface.

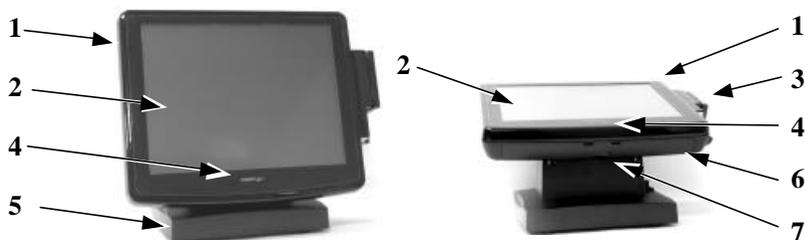
CAUTION

**Risk Of Explosion If Battery Is Replaced By An Incorrect Type
Dispose Of Used Batteries According To Local Regulations**

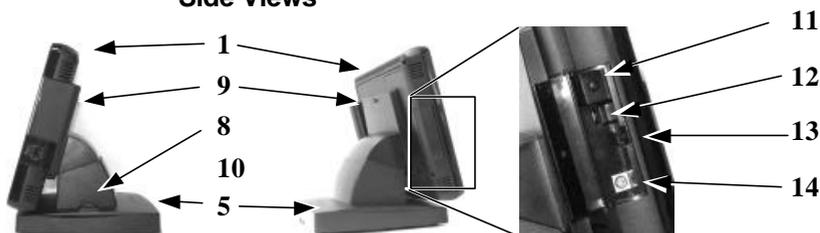
INTRODUCTION

PRODUCT PICTURES

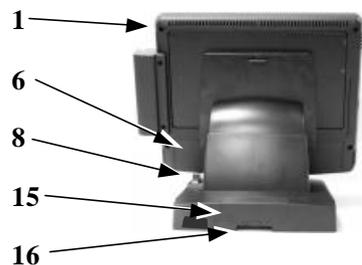
Front Views



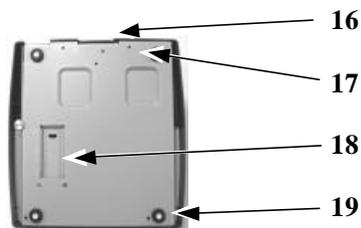
Side Views



Rear View



Bottom View



PARTS IDENTIFICATION

1. Main unit
2. Touch panel / LCD panel
3. Optional side mount kit e.g. SD-400
4. Power indicator
5. Slim base stand
6. Cable cover
7. Removal hollow in cable cover

8. Lock / release lever for tilt angle adjust
9. Lock / release button for main unit detach
10. Touch open cover
11. Power switch
12. Brightness adjust thumb wheel
13. Touch open door latch
14. PS/2 KB port
15. Rear connect cover
16. Cable exit
17. 15" 2nd LCD bracket screw holes
18. Auxiliary cable exit
19. Rubber feet

PRODUCT FEATURES

Standard Features:

- a) CPU: AMD LX-700
- b) Fanless structure with metal main unit casing for harsh environment
- c) Data storage device: CF memory card (default) or optional IDE HDD 2.5" 40 GB in main unit or optional IDE HDD 3.5" 40 GB in base stand. (only one device allowed)
- d) An advanced slim base design. The slim base supports 2nd LCD display or pole mount customer display in desktop mount application and easy wall mount conversion, storage room for 3.5" HDD and optional UPS battery for both desktop and wall mount applications.
- e) Support WinCE, Win XP Pro, WEPOS and Linux environment
- f) High quality 15" TFT active matrix LCD panel
- g) Brightness control by hardware
- h) **Vertical type LCD panel with easy tilt** angle adjustment from 15° to 75°
- i) Durable resistive type (leading edge Infra Red type optional) touch panel that endures 35 million touches min. at same spot
- j) Spill proof water resistant structure allowing easy cleaning
- k) Easy maintenance construction
- l) Various I/O ports supported, including:
 1. one PS/2 KB port (inside touch-open cover)
 2. 2 serial ports with capability for +5V DC support
 3. one parallel port
 4. 4 standard USB ports
 5. one proprietary USB port for optional side mount kit (e.g. SD-400)
 6. one LAN port 10/100 base T Ethernet upgradeable to 1 Gbps
 7. one external VGA monitor port

- 8. one 5.5/2.5 coaxial type DC 12 V power input connector
- 9. one CF card reader slot or optional IDE + power connectors for HDD in base
- m) **Touch control functions**: left/right button, double click, drag & draw
- n) VGA memory size shared from system memory (8 ~ 254 MB)
- o) Support high performance **DDR DRAM** with maximum memory size **1GB in one module**
- p) Integrated structure for side mount upgrade kit SD-400 with software programmable MSR parameters for Win XP pro
- q) Built-in internal speaker with 2 W audio amplifier
- r) **Accidental power off protection** – The power switch is safely located inside a push-open cover
- s) **Preconditioned power up function** – by alarm clock or COM port MODEM ring or LAN

Option Items:

Note: The underlined items in the following list means that option must be set prior to shipment from the factory. The rest items can be set by the dealers.

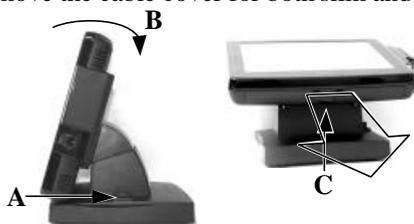
- a) DDR SDRAM memory expansion up to 1GB
- b) Integrated side mount upgrade kit:
 - ✧ SD400 covering options of USB interface MSR, optical scan type finger reader and audio ports (Mic. in / line out)
- c) Integrated base mount device choice among: PD2501 VFD pole display or PD2602 graphic LCD customer display or 12.1" 2nd LCD panel monitor LM-6201 or 15" 2nd LCD monitor
- d) 3.5" HDD kit
- e) 2.5" HDD kit
- f) Preload OS

INSTALLATION GUIDES

CAUTION: Before any installation or cable connection to the set, please always make certain that the system is turned off and the external power source to the set is removed to prevent electric hazard! Never touch any metal pin in the connectors or circuits to avoid high voltage hazard or electrostatic discharge damage unless the operator is well grounded. Failure to do the above will void the product warranty!

OPENING CABLE COVER

Please follow steps A to C sequentially with reference to pictures below to remove the cable cover for both slim and universal base models.



Step A: Push lock/release lever for tilt angle adjust backward

Step B: Turn panel to most horizontal position

Step C: Pull at the removal hollow toward the user

DISCONNECTING ALL CABLES

After removal of the cable cover, the connector area will be accessible then. Please **first note orientations of every existing cable connection** and then disconnect every cable properly before separating the main unit from the adjustable stand assembly. Please note that the click lock spring has to be pressed down prior to pulling out the connector such as the LAN port. Please also note that the fixing screws have to be loosened free prior to disconnection such as the COM ports or the LPT port. Please **always hold the connector head** instead of pulling on the cable wire when disconnecting any connector. Failure to do this could damage the cable and jack that is considered as an **artificial destruction**. **Damages due to incorrect disconnection operation are not covered by product warranty!**

SEPARATING MAIN UNIT

In order to settle the touch terminal properly in a point of sale system, all the cable connections have to be routed through its base, either slim or universal. Therefore, please observe the procedures from A to C below to separate the main unit from both slim and universal base stand assembly after all cables in cable cover disconnected.



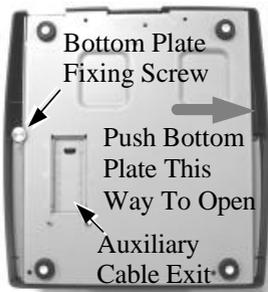
Step A: Prepare a soft clean flat surface, such as a piece of cloth on the desk to seat and protect the front surface of main unit

Step B: Press the Lock/Release button for main unit detach and meantime ...

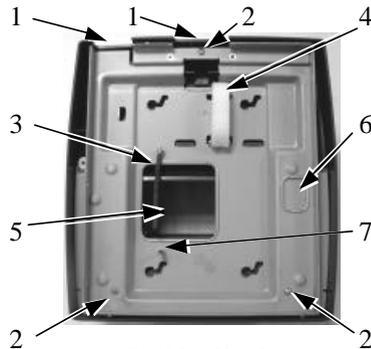
Step C: Slide the base stand assembly to left to separate the main unit from base stand

OPENING STAND ASSEMBLY

Take the adjustable stand assembly and turn it up side down to show the bottom of the base. Remove the bottom plate fixing screw and push the bottom plate aside as in left picture below for slim base to open. The inside will look like the right picture below with each numbered items described further below. However, there could be some variation to the contents inside depending on what option items actually installed.



Slim base bottom



Inside slim base

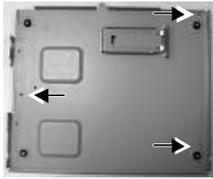
1. Cable Exit For External Connections
2. Base Box Screw
3. Cable tie

4. Velcro Strap
5. Cable Passage To Main Unit For Desktop Mount Application
6. Cable Passage To Main Unit For Wall Mount Application
7. HDD Bracket Fixing Screw

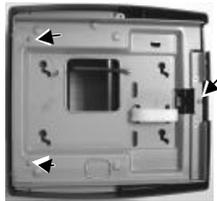
CABLE PASSAGE

Please route all cables through the cable passage to main unit in desktop mount application. Hold them together with the cable tie. Pass all cables (but those for HDD and UPS battery) through the cable exit to external connections. For slim base models in desktop mount application, when cable connection through a hole on desktop underneath the system is required, please slide open the auxiliary cable exit on bottom plate and route all external connections through this auxiliary exit. Then fix back the bottom plate if there is no option unit to install.

WALL MOUNTING



Select a flat surface on wall of adequate strength and with proper ventilation and space condition. Please use the right material to hold this terminal according to the wall material (Drywall, concrete, solid wood, etc). Consult with your contractor if it is necessary. A fully equipped system may weigh up to 8 kg or 18 lbs. Take the separated bottom plate and remove the 4 rubber feet to work as the wall mount bracket. Fix this bracket to wall at the 3 arrowed holes for slim base model as in the above left picture with proper materials and proper preparations.



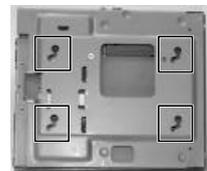
Release the base box from the base stand by removing the 3 screws as arrowed in the left picture for slim base model. Release the cable tie and reroute all cables through the cable passage to main unit for wall mount application and through the cable exit to external connections.



Hook the base box onto the bottom plate now fixed on the wall as wall mount bracket and fix the screw used for joining bottom plate to base box on top side of the backpack as arrowed in left picture.



Align the four matching pegs on the back of the main unit as circled in the left picture with the four matching holes in the backpack as marked in squares in the right picture and allow the



main unit to slide down the winding grooves in the wall mount backpack - originally the base box. The stand assembly is not engaged in wall mount operation. Connect all cables coming out of the backpack through the wall mount application cable passage into the cable cover area of main unit.

The area required for wall mount application is determined by the main unit dimensions and is 381 mm in width and 305 mm in height.

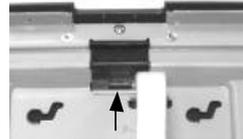
BASE MOUNT UPGRADE KIT

On rear edge of the stand assembly for desktop mount application, there is a rear connect cover. Either a 2nd LCD display panel option LM-6201 or a VFD customer display option PD-2501 or PD-2602 can be installed here after removing this cover. However, the 15" 2nd LCD display can be installed without removing this cover.



Please note that there could be some restrictions to the tilt angle range for the main unit due to existence of base mount upgrade kit if mounted. Investigation for the acceptability of such kind of restrictions must be taken before decision to install a base mount upgrade kit.

To remove the rear connect cover in slim base please refer to the inside view of the base unit at right and use a flat head screwdriver to pick the plastic hook plate of the rear connect cover from inside behind the area with Velcro strap.



12" 2nd LCD Panel Or Customer Display



Fit the joint base of PD-2501 or PD-2602 or LM-6201 to the rear connect cover opening. For LM-6201, please first route its cable through this opening and have it pass the passage arrowed in left picture. For PD-2501 or PD-2602, please have its cable go through the normal cable exit (under the joint base) as in the right picture. Fit 2 screws **through washers** to hold the joint tight. For low profile customer display PD-305, the installation procedure is same. Remember to enable the +5 V DC supply in the COM port of the main unit for PD-2501, PD-2602 or PD-305 or the +12 V DC in VGA port for LM-6201.



15" 2nd LCD Panel

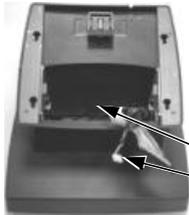


A bracket kit including a steel bracket and 2 types of screws as in the left picture will be provided with the 15" 2nd LCD panel. Use 3 smaller screws to fix the bracket to



outside of the bottom plate from inside as circled in the right picture that is the bottom view of the base stand. Then use the 4 larger screws to fix the monitor support rod from bottom as arrowed in the same picture. Route the VGA through the cable exit of the base stand to the main unit. Connect the attached power adaptor for its power source.

ROUTING THE CABLES



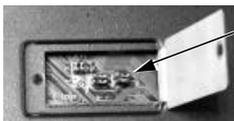
Place all the cables required for connections to the main unit through the front part inside the stand assembly. Be sure not to damage any cable during this operation.

Now, turn the adjustable stand assembly back to normal orientation and arrange all cables to come out of the area for mounting main unit from the lower front edge for ease of

later operation.

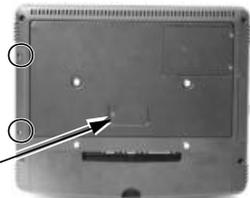
PREPARING THE MAIN UNIT

On the back of the main unit, there is a service window among the 4 matching pegs. Remove the service window lock screw to find several jumpers. The jumpers in this window are designated for VGA port and COM port power supply function. Please consult your dealer for technical support on setup of these jumpers. Please note that only those qualified technicians may adjust in the service window with information from Posiflex and the contents in the service window may change without notice as time develops.



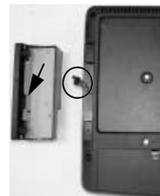
Jumpers

Service Window
Lock Screw

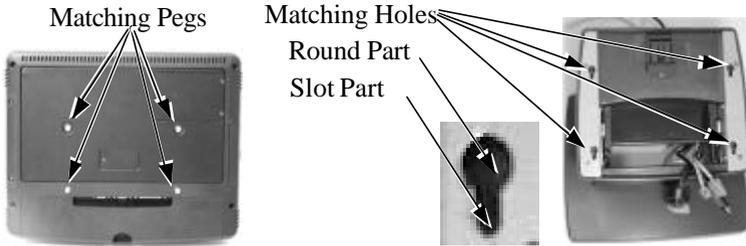


SIDE MOUNT UPGRADE KIT

Remove the 2 circled screws in right picture above to remove the cover for side mount upgrade kit. Take out the cable inside this cover as circled in right picture and remove the 2 shorting jumpers inside if exist and then connect it to connector inside the side mount upgrade kit like SD400 as arrowed in left part of the same picture. Gently arrange the excessive length of this cable back in the hole and screw-fit it back to the position originally occupied by the cover. Please reserve the cover if there is chance to have the side mount kit removed in the future.



DESKTOP MOUNTING



Match the matching pegs on the back of the main unit against the matching holes on the stand assembly. First aim the matching pegs toward the upper round part of the hole and make sure that all pegs are inside the holes. Then slide the main unit down to move the pegs into the lower slot part of the holes till it clicks. Note that all the cables come out of the stand from the lower edge and won't get trapped by this mounting operation. If later on you want to remove the main unit from the stand, you'll have to press down the lock/release button on back of the stand at the time lifting the main unit.

For desk top/counter application, the body of KS-6115 occupies a space of 381 mm wide, 265 mm deep and 258 to 355 mm high per main unit tilt angle. The minimum height of above models shall be increased by about 4.5 mm if InfraRed type touch panel is used.

CONNECTING CABLES

To re-assemble the main unit with stand assembly for operation, please connect all required cables to the appropriate connectors. Please make sure that each connector is connected to the correct port with the correct orientation. **Damages due to incorrect connection or orientation are not covered by product warranty!**

Some connectors like the LAN connector have to be gently inserted until a click is heard. It is recommended that connectors such as the external VGA, COM and LPT connector be screwed into place once seated.

Adjust the slack of each cable and close the cable cover. Re-adjust the tilt angle of the screen for best viewing.

Connect the cables to appropriate external devices through the cable exit at the bottom of stand assembly. Please make sure that each connector has to be connected to the right device in the right way.

CAUTION: On doing any insertion or extraction of any connector, please always hold the connector head itself instead of pulling on the cable wire. Failure to do this could damage the cable and jack that is considered as an artificial destruction and is not covered by the warranty.

OPERATING SYSTEM RECOVERY

For KS systems with operating system in the Compact Flash Card, once the Compact Flash is damaged for any reason, the thin client may fail to boot. **A bootable new Compact Flash Card will be required to have the workstation back to work.** Please follow instructions given by the System Integrator to deal with situations like that. One more advice for CF Card application is that in spite of the fact that it is used in the way like an ordinary HDD, usual utilities such as **FDISK.EXE or FORMAT.COM shall never be used on CF Card** otherwise the boot sector of operating system itself may be damaged and causing the CF Card no longer bootable.

For KS systems preloaded with Windows XP Pro or WEPOS on HDD, Posiflex provides recovery CD delivered with the touch terminal for the preloaded operating system. The System Integrator shall take care of software restoration after OS recovered. A Posiflex supplied USB interface CDROM drive will be required for such action. Other brand CDROM drive may require its specific driver different from what supported in the recovery CD.

Please use the recovery CD in rescue operation only. Using it otherwise may wipe out whatever stored in the HDD! All upgrade devices drivers needed for manual installation in usual way are available in the subfolder “\drivers” in OS recovered HDD and the latest versions of these required drivers will be available on our web: <http://www.posiflex.com.tw>. Then follow instructions from your system integrator for software recovery.

OPERATING SYSTEM INSTALLATION

This product is a highly professionalized equipment. The installation of an OS into a machine without any preloaded OS could constitute major difficulty for average user or obstacle by possibly unintentional negligence even for PC veterans to accomplish such a task. Therefore, OS installation into a system without preloaded OS is highly discouraged. Posiflex shall not be responsible for any technical support to questions arisen due to non-preloaded OS.

USING THE TOUCH TERMINAL

APPLICATION ENVIRONMENT

It is **very** important that you check the following operational guidelines:

Ventilation

This terminal must **NOT** be operated in an environment with restricted ventilation. There must be at least 25 mm air clearance around any top or side ventilation holes with a free flow of air around the unit at **ALL** times for the installation.

Operating Environment

The equipment must not be operated or stored in extremes of both temperature and humidity/moisture. (Operating range 5°C to 40°C and up to 80% humidity – non condensing, max. wet bulb 26°C)

Power Supply

The operating voltage range of the power adaptor should cover the local power supply for proper operation. The power cable, the power outlet and any power fusing arrangements must conform to local safety regulations.

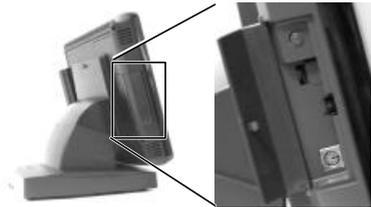
Please **never do any connection / disconnection** when system is still powered on. **Please always keep the external power adaptor in a free air circulation.**

POWER ON/OFF

Touch Open Cover

A gentle tap on the touch open cover at left side of the main unit will open the cover and show the power switch, thumb wheel knob for brightness adjust and a PS/2 keyboard jack. It is preferable to keep this door closed through daily operation. The LCD brightness can also be controlled through software setting. Please note that some operating systems may inhibit the use of the PS/2 keyboard port if there is no device connected during boot up.

There must always be at least 10 seconds waiting before switching on again once the system is powered off successfully.



Power Indicator



The power status of the system is indicated by the backlighted logo. When the logo lights in green, the AC power is standby for the system to turn on. The logo turns to blue when the system is powered on.

Hardware Power Switch

The power switch located in the touch open cover of the main unit is a tactile pushbutton switch. This switch controls the power on/off of the system. This switch turns the system on when pushed only when external power is present. This switch turns the system off when pushed again during power on status. However, if the system hangs due to any reason such as software resource conflict a simple push on the switch may fail to turn off the power. In this case, please utilize the **forced power off feature** by pressing the switch and holding for within 10 seconds.

Automatic Power On Control

The system may also turn on according to some preset conditions such as Modem Ring Up and Alarm Clock Wake Up or LAN Wake Up.

To utilize Modem Ring Up or Alarm Clock Wake Up function, the user should enter the CMOS setup by pressing “Del” key at system boot up, choose for “PM Wake Up Events” in “Power Management Setup” and make the “Ring Power Up Control” enabled for Modem Ring Up or select the “Power Up by Alarm” for Alarm Clock Wake Up. Save the configuration and exit the CMOS setup program. The Preset Power On Control will then be ready. For LAN wakeup, an operating caller system connected through LAN to the system is required. It also requires a qualified networking technician to check the LAN chip ID of the system for the caller system to wake up.

When the KS system is turned off after a successful boot up, the preset automatic power on functions will keep monitoring for the preset conditions and turn on the system when the preset conditions are met.

Please note that if the KS system is improperly turned off before a complete boot up procedure, the above preset power on control functions will be disabled until next turning off after a complete boot up.

DISPLAY ISSUES

Main LCD Display

For best viewing result please set your display resolution at 1024 x 768 with high color.

In configuration of system memory, max. 254 MB can be shared as the video memory.

VGA Port

The VGA port in the KS system supports TM4115 touch monitor, LM6212 LCD monitor or TM7112 touch monitor if there is no base mount 2nd LCD display. This port supports either mirror mode (identical image) or extended mode dual display function for WinXP. To support the DC power to these Posiflex monitor, use the DC adaptor to connect into the monitor (for TM-4115 / TM-7112) or its VGA cable (for LM-6212) or use Posiflex VGA + power cable and set an internal jumper in KS main unit to supply the required power through the VGA connector (for LM-6212). **Do not connect other monitor to this port before the power in this port is disabled.**

CUSTOMER DISPLAY

Please follow the instructions on the manual that comes along with the customer display PD-2501 or PD-2602 when it is installed.

SERIAL PORTS – COM1/2

In KS system, there are 2 serial ports available. Both serial ports can supply a +5 V DC through pin 9 after proper jumper setting change. Both ports are standard RS232 serial ports as status at delivery.

For models using RS232 interface touch control such as the Infra Red type touch, COM2 is occupied and covered. Please **never try to open the cover**. Otherwise the product warranty is voided.

SOUND PORTS

The audio port in KS system is arranged to have an internal audio speaker with maximum audio power of 2 W at lower left corner of the main unit but no direct access port in the main unit. The external access to audio ports can be found in the side mount option kit SD-400 with a Microphone in and a stereo line out jacks at its bottom surface as circled in the right picture. The internal speaker will be automatically disconnected when a plug is inserted in the line output jack.



TOUCH PANEL

All paragraphs below are applicable for models with touch panel only. The user of those models without touch panel can ignore them and consider this user's manual ends here.

Mouse Emulation

The touch panel in KS system uses USB interface. When the touch driver is properly installed, this touch panel works exactly like a standard mouse for both interfaces. However, if the system is running under safe mode, most drivers are disabled in this mode and the touch panel calibration is therefore not guaranteed. It is recommended to use a standard USB mouse or keyboard in this mode.

All the below mentioned mouse emulation functions can be manipulated through relevant software. The system can give a beep and a click on the left button of a mouse at the point when the touch panel is touched. If the point touched is dragged across the screen surface, it works as the mouse drag and drop feature. If the point is touched, released and touched within a short time interval, it is double-clicking left button of the mouse. To obtain the effect like clicking on the right button of a mouse, touching any point on the screen surface after touching the right-click sticky button results as a click on the right button of the mouse at that point.

Posiflex USB Touch Manager

A program named "Posiflex USB Touch Manager" and a right-click sticky button tool in the program group "Posiflex USB Touch Tools" is installed in the preloaded Windows system with a USB interface touch panel controller. This program can also be obtained by download from the POSIFLEX web site.

POBIFLEX 

警告使用者 T31454

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