POSIFLEX

SP-1200 Series
SIGNATURE PAD
USER'S MANUAL
Rev. : A0

I. FEATURES

- ITO resistive touch pad over 3.8" FSTN LCD in USB interface
- Adjustable LCD backlight contrast
- Display area 3" (H) x 2.3" (V) with resolution 320 x 240
- Touch resolution 500 dpi
- Tethered non-electronic stylus
- Low power consumption: 70 mA @ 5V DC under USB interface
- Provides smooth bitmap and resolution required for signature verification
- Simultaneous view of electronic signature on LCD pad (simulating familiar pen and paper experience) and monitor (for visual comparison with original card signature)

FCC NOTICE

WARRANTY LIMITS

ABOUT THIS MANUAL

TRADE MARKS AND SERVICE MARKS

P/N: 18110900020

II. INSTALLATION

1. HARDWARE INSTALLATION

Connect the USB cable to an USB port of the host system. Place the signature over a comfortable flat surface for application. Insert the stylus in the stylus hold at top middle of the pad. Should this device be connected to an USB HUB, it is most advisable to use a self-powered USB HUB.

2. DRIVER INSTALLATION

The software development tool kit with sample code for this device is available in Posiflex Product Information CD or also in web site: http://www.posiflex.com or http://www.posiflex.com.tw. The software programmer can develop the application software accordingly and include the driver and library with the software.

There is no need for driver installation in end user's concern as long as the operating system accepts USB HID (human interface device).

III. OPERATION GUIDE

1. PRECAUTIONS

Advice: Applying a protective film smoothly and evenly over the screen surface may help greatly the endurance against minor scratches.

Warning: Never apply anything other than the attached stylus on the screen surface for normal signature writing. Any hard objects such as a ring when pressed against the screen surface may damage or even break the glass surface. Any consequent damage of such mistreatment is not covered by the product warranty and the manufacturer denies any liability of that.

2. OPERATIONS

When the signature pad is powered on through the USB interface connection, the LCD panel backlight is turned on and then a name "POSIFLEX" displayed in the LCD panel for a few seconds. The pad is then ready for controls from the software program. The contrast adjustment is the only mechanical adjustment control on the signature pad itself.

Contrast adjustment: Please refer to the picture at right and use fingernail or some proper tool to turn the recessed contrast adjustment knob to obtain best viewing effect of LCD under lighting condition of application environment.

Stylus
Coiled Tether
USB Cable
Contrast Adjust
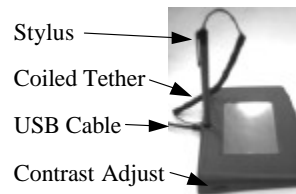
Signature catching: The area on the signature pad for signature catching is designed to be fully controlled by the application software. The maximum size is the full 320 times 240 pixels. Please note that there is still a safety gap of less than 4 mm or 0.3" width between edges of this maximum area and the inner edges of the plastic opening. Of course, it is free to the programmer to limit the signature catching area to be part of the maximum area with some indication display for other control functions if required.

Other control functions: The area outside the signature catching area can be organized by the software programmer to provide control functions from the signature pad that may include backlight turning on or off; clearing the last signature made; saving current signature into bit map file and clearing display; turning buzzer function as response to touch on signature pad on or off and so on.

Demo program: The demonstration program in the software development tool kit is an example program having control touch buttons of "Clear" and "Accept" outside the signature catching area. This mode is called as "User Define Mode" in the sample program. This program also provides switching to "Full Screen Mode" (no touch control button on signature pad) and "Sleep" command (force signature catching inoperative till "Reset").

Disconnection: Please disconnect the signature pad from the system only when the system is powered off or at least when there is no longer any application program controlling the signature pad running in the system.

IV.   SPECIFICATIONS

Sensing Technology	ITO resistive transparent touch pad
Display Type	3.8" FSTN LCD panel with LED backlight
Display/Signature Area	76.7 mm x 58.6 mm (3.0" x 2.3")
Display Resolution	320 x 240
Touch Resolution	500 dpi
Actuator Type	Tethered (springy coiled) stylus
Interface	USB 1.1 (compatible to USB 2.0)
Power Source	5 V DC in USB port
Max. Current Requirement	70 mA
Width	15.0 cm (5.9")
Depth	12.2 cm (4.8")
Height	2.6 cm (1.0")
Weight	0.37 kg (12.9 ounces)
Operating Temperature	0°C to +45°C
Storage Temperature	-20°C to +60°C
Humidity	85% RH, non-condensing
OS Support	Windows 98SE, 2000, XP
SDK Support	VB and Visual C++
Output Format	BMP
Agency Conformance	FCC Class A, CE