

# LCD Signature Tablet

STU-500



- Highest accuracy – high resolution and pressure levels for clear signature profiles
- High screen contrast – high user acceptance
- Increased durability – for POS and counter applications
- Long product life – low TCO (Total Cost of Ownership) over the whole lifetime
- Highest end user acceptance – 10 cm wide signature area and real-time signature visualisation

# LCD Signature Tablet STU-500

## Display

LCD Display Size	10.2 cm x 7.6 cm (Diagonal 5")
Max. LCD Resolution	640 (W) x 480 (H) pixels (VGA)
Display Type	Monochrome Reflective TFT LCD
Colour Depth	2 tones (Black and white)
Contrast Ratio	12:1 (Reflective Display)
Viewing Angle (horizontal / vertical)	120° / 120°
Display Surface Treatment	Paper feel surface
	Protective screen
	Non-reflecting treatment
Other	Real-time visualisation of the signature on screen

## Pen & Tablet

Reading Method	Electromagnetic Resonance (EMR)
Pen Pressure Levels	512 levels
Reading Resolution	2,540 lpi
Coordinate Accuracy	± 0.5 mm (center)
Tablet Reading Height	5 mm
Battery-free & Cordless Pen	Yes
Pen Tether	Yes
Report Rate	200 points/sec
Data Interfaces	USB / Serial (optional serial accessory kit needed)

## General

Tablet Dimensions	160.0 (W) x 182.5 (H) x 24.6 (D) mm
Weight	0.4 kg
Operating Temperature	5° to 35°
Operating Humidity	20% to 80% RH
Storage Temperature	-10° to +70° C
Storage Humidity	20 to 90% RH
Data Cable included	USB (1.5 m)
Driver	No driver available, integrated in signature applications from the following Software vendors: Softpro, WonderNet, XYZMO

- Highest accuracy – The Wacom Penabled Technology offers a high resolution, good accuracy and high resolution pen pressure information. These features all enhance the performance over traditional pen-input systems.
  - 512 real pressure levels (not interpolated)
  - Real data rate of 200 points per second (not interpolated)
  - XY coordinates with 2,540 lpi reading resolution (not interpolated)
  - Only minimal deviation of pressure measurement on the whole active area for forensic analysis (is not the case with touch technologies)
- High luminous light transmission is possible.
- STU-500 comes with a very sharp TFT LCD with fast response times. Thanks to the characteristic of this TFT LCD, signing directly on the LCD is like writing on paper. The power consumption of STU-500 is lower because it has no back light.
- Increased durability – The sensor is embedded beneath the display. It can also work through a protective plastic cover, which will enhance product life. Because of being embedded beneath the display the sensor will not measure any unintended touch by hand or finger. This system is also more durable than resistive touch sensors against scratching or wearout.
- The protection glass is made by tempered glass. Thus STU-500 is durable and resists scratching by pen. Additionally the glass is treated by anti-glare coating to reduce glare.
- Long product life – the sensor is embedded and will last over many years. The life time of resistive touch sensors is considerably lower. The stylus has been developed to last over millions of operations based on our long history designing and manufacturing cordless and battery-less EMR pen-sensing systems. The reflective TFT has no backlight and thus a much longer lifetime than other displays that get dark after 2 years.
- Highest end user acceptance – The signature tablet has been designed especially for everyday usage at a public POS or counter. The 5" screen is wide (10 cm wide) enough for even long signatures. Signing on the signature tablet is as convenient as signing on paper. Real-time visualisation of the signature screen and a paper like surface of the screen. The pen is tethered to prevent loss.

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