

Sign Pad ESP500 Specification



Introduction of Components

ESP500, integrated a 5 inch LCD and an electromagnetic resonance tablet(ERT) components, is designed for purpose of input signature with handwriting. The ERT component is consists of an cordless battery-free ERT stylus and a sensor board.

Features and Functions

1. High Precision: coordinate accuracy can reach ± 0.5 mm .
2. Pressure of ERT stylus is supported.
3. Wireless and battery free stylus: easy to use but low cost.
4. The signature is displayed on the LCD simultaneously.

Applications

ESP500 is widely used in banks, post office, retails, securities, insurance & communications, such as signing on a receipt or a contract with a personalized digital signature.

Driver

The driver for ESP500 can be easily embedded into 3rd party application, which should be implemented by 3rd party depend on specified requirement.

Performance and parameters:

Panel Description	
Panel Size	5.0Inch
Panel Type	TFT LCD
Display Ratio	5:3
Active Area	108.0 (W)*64.8 (H) mm
Resolution	800*480
Pixel Pitch	0.045mm*0.135mm
White Luminance	350cd/m ² (TYP)
Color	16.7M
Contrast Ratio	800:1
Viewing Angle	170(85/85) / 170(85/85) (Typ)
Display Response(Ton+Toff)	T _{ON} 20ms (Typ). T _{OFF} 20ms (Typ)
Touch Description	
Touch Technology	Electro-magnetic resonance technology
Resolution	2540LPI
Pressure Level	1024 levels
Report Rate	200pps
Accuracy	±0.5mm (center), ±1mm (edge)
Tilt Angle	±45° vertical
Sensor Height	7 mm
Interface	USB
Pen	Cordless and battery free
Pen Tip	Switchable
Encryption	AES256 / RSA2048
Power Supply	
Power Management	USB power (5V, 500mA)
Power Consumption	under 2.5 W
Other Spec	
Dimension	144.11*96.5*9.28 mm
Support OS	Windows/Linux/Android
Software development	Free sdk (lib,dll, ocx websocket etc) for C++,.Net and Java developers in Windows
Packing contents	
Device	1
pen	1
USB Cable	1
Stylus lanyard	1