

Sign Pad ESP700 Specification



Introduction of Components

ESP700, integrated a 7 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

- 7-inch color LCD screen that can display image advertisements and support information push.
- Hardware integration of LCD display and digitizer with battery-free pen.
- Signature data capturing including pressure sensitivity, handwriting track and speed.
- Battery-free & Cordless Pen for zero maintenance.

Driver SDK

The driver SDK can be easily embedded into 3rd party application.

The SDK (Software Development Kit) provides signature x/y coordinates, pressure, and time parameters to capture the nuances of the user's signature and form signature biometric information.

Applications

The device 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.

Performance and parameters:

Panel Description	
Panel Size	7.0Inch
Panel Type	TFT LCD
Display Ratio	5:3
Active Area	153.84 (W)*85.632 (H) mm
Resolution	800*480
Pixel Pitch	0.1923mm*0.1784mm
Color	16.7M
Display Response	25ms (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, 700mA)
Power Consumption	under 3.5 W
Other Spec	
Dimension	190(L)*170(W)*17.8(H)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