

Technical Specification: ESL4010



ESL4010 is a high-tech product integrated fingerprint identification, IC card and keypad (encryption/non-encryption) technology, applicable for banks, securities market, and POS terminals, etc.

Features

- Equipped with highly secure PIN shield.
- Derived Unique Key Per Transaction (DUKPT) or Master/Session Working key.
- Comply with international security standards and payment scheme specifications.
- Easy-to-read LCD display and small table-top footprint.
- High-quality conductive rubber button.
- Support different security key entry software.
- Provide audio and visual key entry response.
- Simple user-friendly operation and can be further customized.
- Applicable to many operating systems: DOS, WINDOWS, NT, UNIX and LINUX.

Technical Specification

DES encryption keypad

- Baud rate: 1200, 2400, 4800, 9600 BPS
- Voice prompt, 2-line/16 characters LCD display
- Disconnect word echoplex / direct echoplex

IC card reader /writer

- Baud rate: 1200, 2400, 4800, 9600 BPS

IC card communication protocols

- TLP224 protocol / BLOCK protocol

Max. data length excluding command head

- 245 bytes for writing
- 248 bytes for reading

IC card contact lifetime

- Min. 100,000 times

Reliability

- Min. 5,000,000 cycles for individual button

Connector

- 4-pin RJ-11C connector

Housing

- Plastic PC, Ivory color

SM30A Fingerprint Keypad specifications

Sensor

- Optical fingerprint sensor

CPU

- Built-in

Dimensions

- Collection Head (L×W×H) 21mm×32mm×63mm
- Manage Board (L×W) 43mm×93mm

Pixel resolution

- 450 dpi

Weight

- Collection Head 28g
- Manage Board 30g

Comparing Time

- 1s maximum

Recognition accuracy

- 0.01% for false reject rate
- 0.0001% for false accept rate

Power supply

- DC 5V ± 10%

Power consumption

- Static: 270mA
- Working: 320mA

Temperature

- Operating -40°C ~ 60°C
- Storage 0°C ~ 90°C

Humidity

- RH 5% ~ 95%

Model description

Type	X1	Interface	X2	DES/3DES Module	X3	LCD Module	X4	Sound Module	X5	Smart card Reader
4010 Pin Pad with Fingerprint Reader	R	RS232 Series port	0	No	0	No	0	No	0	No
			1	Yes	1	Yes	1	Yes	1	Yes

For example

ESL4010 R1111

Pin pad with Fingerprint, with RS232 series interface, DES/3DES encryption module, LCD module, Sound module and smart card reader module.