



**P18C** •

P i n p a d

• Smart Pinpad



# P18C Smart Pinpad

## Applications

Heng Yu P18C is an advanced pinpad which has a built-in smart card reader and B801 fingerprint identification unit. With one smart card and one fingerprint, your pins are no longer stolen or forgotten. P18C is your ideal pin-input device for the following applications:

- Payment terminals
- ID checking for police, hospitals, airports and hotels
- System login

## Main Features

- Using Cherry key switches, good tactile feeling
- Laser-engraved keycap symbols are wear-resistand and easy to clean
- With LCD for message display, back light is optional
- Software library for easy integration within the application

### Smart Card Reader

- Supports asynchronous communication protocol T= 0 and T = 1, in accordance with ISO 7816, EMV, PC/SC standard
- Support synchronous cards
- Short circuit current limiting, with special circuitry for killing spikes during power-on or off
- Power-down and sleep mode for low power consumption
- Enhanced ESD protection on card side (6KV minimum)
- Software library for easy integration within the application

### Fingerprint Module

- Adpots Heng Yu's advanced B801 fingerprint identification unit
- Fingerprint templates can be stored in the smart card, embedded flash memory or the host system

## Product Codes

<b>P18C Main Code</b>	X <sub>1</sub> X <sub>2</sub> Function Configuration	X Interface Code
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## Technical Specification

### Electronics

Power supply: +5V / DC ± 10%  
Current input: <450mA  
Interface: RS232C, USB  
Baud Rate: 1200, 2400, 4800, 9600 bps

### Mechanical[Keyboard]

Total travel: 3 – 0.5mm  
Pretravel: 1.5 ± 0.5mm  
Peak load before make: 45 ± 20cN

### Life Cycle

Smart Card Connector: 200,000  
Cherry keys: 20,000,000

### Others

Storage temperature: -40 °C ~ +60 °C  
Operation temperature: 0 °C ~ +50 °C  
Humidity: 20% ~ 90%  
Dimension (LxWxH, mm): 166 x 128 x 64  
Weight (g): 310

### Function Configuration

X<sub>1</sub>: R - Smart Card reader is applied  
X<sub>2</sub>: F - B801 FIU is applied  
Note: Replace the value by N when not applicable

### Interface Code

1 RS232C  
2 USB