



# AF03 Bluetooth card reader

The AF03 series is specially developed for smart phones and tablets. It is also known as Bluetooth mobile phone cloud payment card reader. It is easy to swipe the card to realize various financial functions such as transfer, payment, recharge, repayment, account inquiry and so on.

By accessing IOS, Android mainstream smartphone or tablet device through Bluetooth, the payment application can be started to conduct transactions, thereby realizing the payment function of the mobile POS machine. Support bank cards (including debit and credit cards) and IC security chip cards (PBOC3.0) with UnionPay cloud flash payment, suitable for personal self-service payment and bank card collection business for small and medium-sized merchants.

 Personal financial

 Life service

 Recharge card

 Other

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# AE03 Bluetooth card reader



## Advantages

- Support magnetic stripe cards and financial IC cards
- Support NFC protocol, can read ISO14443 Type A/B protocol financial card
- Wireless payment through Bluetooth communication without affecting phone answering
- Bluetooth 2.1-4.0, compatible with IOS/Android system phones
- Ultralow power consumption, support EDR/BLE dual mode
- High security, QPBOC certification
- Support national secret SM1, SM2, SM3, SM4 algorithm
- Small size, easy to carry, suitable for mobile applications
- The LED shows the working status of the power supply and Bluetooth



## Specifications

### Processor

>32-bit high performance secure CPU based on Cortex M0  
32-bit security kernel, supporting national secret algorithm,  
Active protection network with resistance to power analysis  
Address and data bus encryption, power-off protection, embedded resistance DPA/SPA module, MPU storage protection module, high-Low temperature and voltage anomaly detection, support for whole chip battery preparation, with low power RTC, built-in 35KB SRAM, 256KB FLASH

### Communication

>Bluetooth, conforms to 2.1-4.0  
>specification, supports EDR/BLE Dual mode

### Power

>Charge current limit: DV5V, 500mA  
>Micro-USB standard charging interface  
>Built-in rechargeable lithium battery, 3.7V/95mAH  
Standard charging time: 2 hours

### Environmental

>Working temperature: -10 ° C ~ 50 ° C  
>Storage temperature: -20 ° C ~ 70 ° C  
>Relative humidity: 10%~95% non-condensing

### Physical interface

>1 Micro-usb interface  
>1 power toggle switch

### Size

>82.4mm(L)\* 54.4mm(W)\* 11.4mm(H)

### Weight

>About 36.7g

### Colour

>White, black, yellow, blue, red, green

### Certification

>QPBOC Level 1&Level2

### Security Mechanism

>Support national secret SM1, SM2, SM3, SM4 algorithms,  
>Support DES/3DES, RSA2048, SHA1/256  
>Equal algorithm, with true random number generator,  
FIPS140-2 compliant test

### Support system

>Support for Android and iOS devices

### Endurance

>Supports 300 transactions cloud flash card payment at full power  
>No operation enters energy saving mode within 90 seconds (power saving state) There is no communication and operation within 10 minutes after the power is turned on, will automatically closed