BK-i21 Product Specification

General Introduction:

BK-i21 card reader is the terminal for personal payment , which can read the magnetic card and the smart card (IC card). From the connection of audio jack, the transaction data will be encrypted and sent to the back end via the APP of iOS or Android smart phone, it is used in the industry of personal payment.

Main Features:

*Audio communication, 3.5mm audio jack,support android and iOS system.
*Read Track 1 and 2,Track information and encrypted.
*Read Smart card (IC card) information
*Safe payment anytime, anywhere.

Detailed Features:

- 32 bits security processor.
- It can read magnetic card and smart card(IC card)
- Built-in button battery.
- Micro USB interface.
- High compatibility, support most of the smart phone in the market.
- Safe, reliable, high speed.
- Free SDK for Android & iOS.

Product Picture:

Specification:

NO.	Description	Specifications	Remark
1	LED identification	Red：Blink，Lo Bat；Bright：charging；Off：full or sleep Blue：bright，standby for swiping	
2	Magnetic stripe card	Read track 1 and 2	
3	IC card	Read Union Pay, Visa, Master & etc. EMV chip card	Contact type
4	Audio communication	Support iOS and android	
5	Power supply	lithium battery 3.7V 120mAh charge: 5V 500mA	
6	Battery life	20,000 times for normal swiping	
7	Encryption	Card data encrypted before sent to mobile phone	
8	Encryption method	DES、3DES 、AES	
9	Decoding format	Built-in Hardware decoder.	
10	Physical interface	Micro USB	
11	Operation Temperature	0℃~40℃	
12	Size	Approx L*W*H=60*40*14mm	
13	Weight	approx 50g	

Package Information:

Package Box: 68*68*16mm

Demo App:

 The following Demo pictures show you the Demo functions, as well as some of demo data while test the sample using Android Demo App included in SDK.

P1-Demo Data for Reading Magnetic Card

P2- Reading EMV chip Card

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