Specification

File Number: 202106160001

Model： CHIPBOND A6

Name： High and low frequency card issuer

Specification： 99.5mm*99.5mm*19.8mm USB wire length 1000mm

一. Overview and Application

1. Basic features

The USB non-drive read-write desktop card issuer is a contactless smart card serial number reader developed based on the ISO / IEC14443 A and ISO / EM4001 international standard protocols.It is designed by the high-performance RF card reading circuit designed by our company; it has high integration, strong interference resistance, small volume, stable performance, high cost performance and convenient use.A USB communication interface is provided.

2. Application

It is widely used in access control, attendance, fees, anti-theft, patrol and other radio frequency identification applications.

二. Technology & Parameters

1. Basic technical parameters

Dimension	99.5*99.5*19.8mm (Error ± 3mm), Line length 1000mm (Error ± 10mm)
Electrical parameters	Operating Voltage: DC 5V (± 4%) Standby current: less than 100mA Credit card current: less than 120mA
Environment requirements	Operating temperature: -10℃ ~ 50℃ Storage temperature: -20℃ ~ 65℃
Service frequency	13.56MHz 、125KHz
International standard	ISO/IEC 14443A 、ISO/EM4001
Interface	USB output
Firmware version	CHIPBOND_A6_20210607_V1 00
Hardware Version	CHIPBOND_ A6 V1.00 20210524

2. Reading/Writing card distance

No.	Card type	Distance standard	Prepare, note
1	S50 card	0~L （L ≥3cm ）	Note : 0 ~ L (L L cm) (the actual distance is related to the card and Application environment used)
2	S70 card	0~L （L ≥3cm ）	
3	The FM 1208 card	0~L （L ≥2cm ）	
4	The Ultralight card	0~L （L ≥2cm ）	
5	The Desfire Ev1 card	0~L （L ≥2cm ）	
6	The Ntag213 card	0~L （L ≥3cm ）	
7	ID thin card	0~L （L ≥1cm ）	
8	ID thick card	0~L （L ≥2.5cm ）	

3. Test parameters

Operative mode	Turn on: the blue light flash, buzzer sound, enter the standby state Standby: Power indicator lamp blue light is always on Credit card: the output card number is in line with the configuration of the mode, credit card blue light flash at the same time a buzzer sounded
Set up & get the device Serial number	Connect the pending product (card issuer) to the computer, open and connect to test DEMO, in the device operation, device parameter acquisition-2 / function setting section, enter device serial number: for example: 1122334455667788 (eight byte), click "Set device Serial Number", "Get device serial number", test Demo prompt: Set & get device serial number
Get the firmware version number	Connect the test product (card issuer) to the computer, open and connect to the test Demo select CB A6, equipment operation Part of this, click "Get the firmware version number" to get the firmware version number: CHIPBOND_A6_20210607_V1.00
Get the hardware version number	Connect the product to be tested (card issuer) to the computer, open and connect to the test Demo and select CB A6. In the equipment operation part, click "Get the hardware version number" to obtain the hardware version number: CHIP BOND_A6_V1.00