ACR122U Installation and Testing

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1. Features

- USB Full Speed (12 Mbps)
- USB PnP
- Bi-Color LED
- Built-in Antenna
- NFC Reader
- ISO/IEC18092 (NFC) compliant
- NFC Tags Access Speed = 424 kbps
- Contactless Smart Card Reader
- Support FeliCa card
- Support ISO 14443 Type A & B cards
  - MIFARE® cards (Classics, DES Fire)
- CCID Standard
- CE and FCC Certificated
- RoHS Compliant
- User Controllable Buzzer (optional)
- SAM Socket (optional)

2. Specification

Dimensions	98 mm (L) x 65 mm (W) x 12.8 mm (H)
Weight	70 grams
Interface	USB Full Speed
Operating Distance	<= 50mm
Supply Voltage	Regulated 5V DC
Supply Current	200mA (operating); 50mA (standby); 100mA (normal)
Operating Temperature	0-50°C
Operating Frequency	13.56 MHz
Standards/Certifications	ISO14443 1-4, CE, FCC, RoHS Compliant

Operating System Support	Windows 2000, 2003, XP 32, XP64, Vista 32 and Vista 64

3. Picture



II. Driver and Software Tool

1. Driver installation.

   1). Find the file"ACR122USDK.exe" in the CD. And run it.



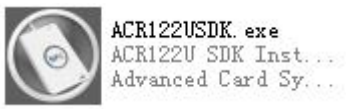
   2). Install the driver of ACR122.



   3). Click install.

2. ACR122Tool installation.

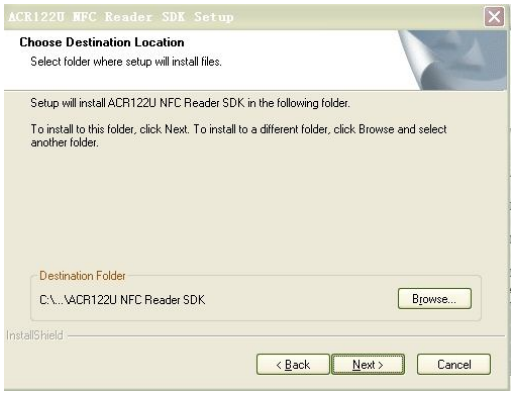
   1). Find the file"ACR122USDK.exe" in the CD. And run it.

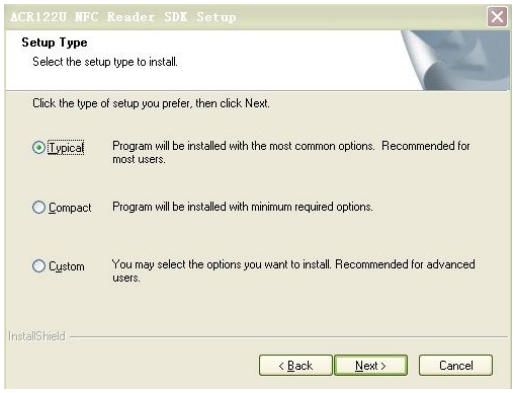


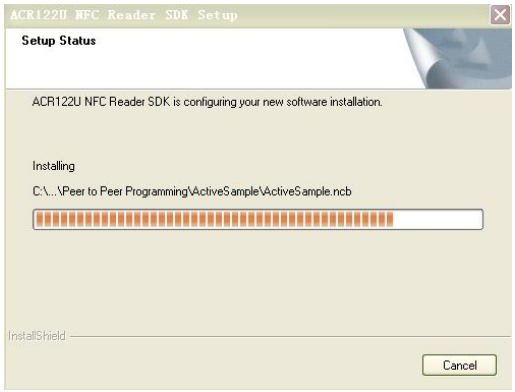
   2). Select install SDK Components.

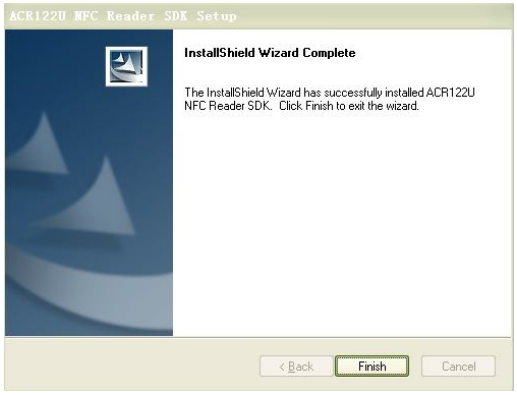


3). Follow the default Set step by step. The driver can just install in C disc.

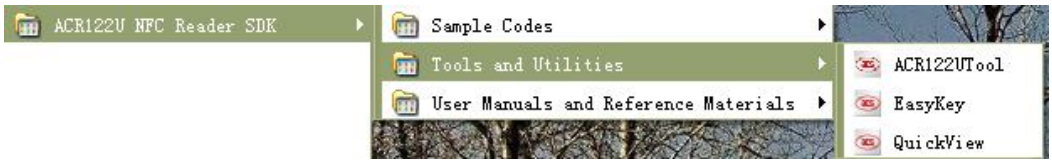




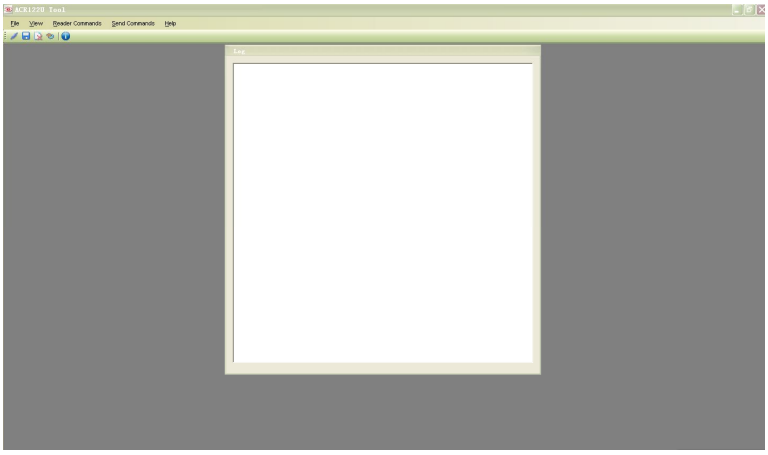




4).After installing successful. Find the ACR122UTool in the start menu.



5).Run successful



III. Test

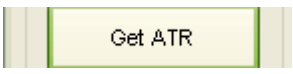
1. Connect the ACR122 to PC.
2. Run "ACR122UTool.exe".
3. Click "connect" shortcut command button.



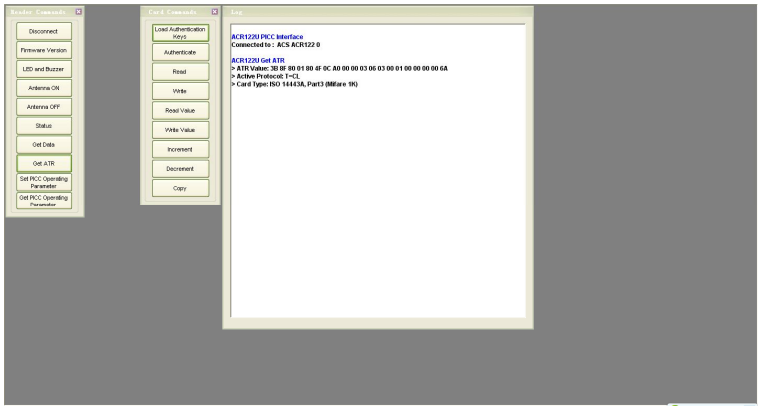
Connect successful:



4. Put the Mifare card or CPU card on the ACR122U.
5. Click reader commands→ Get ATR.

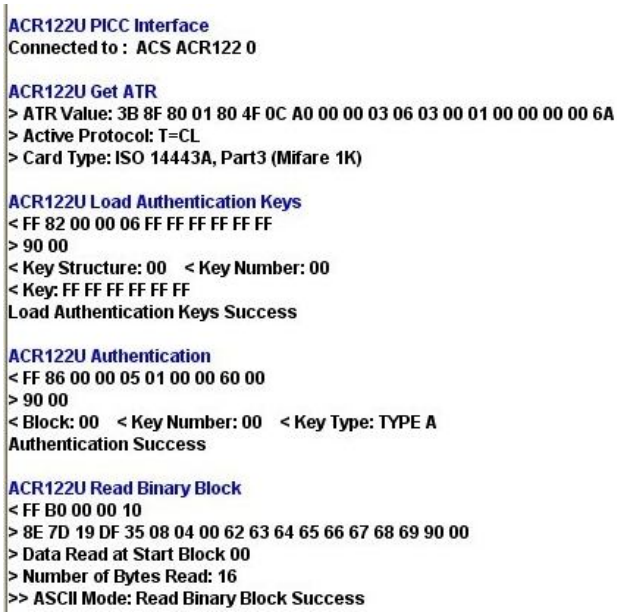


Simple: Mifare card.



6. Before execute “read” or “write” function, “Load Authentication Keys” and “Authenticate” of card commands are needed.



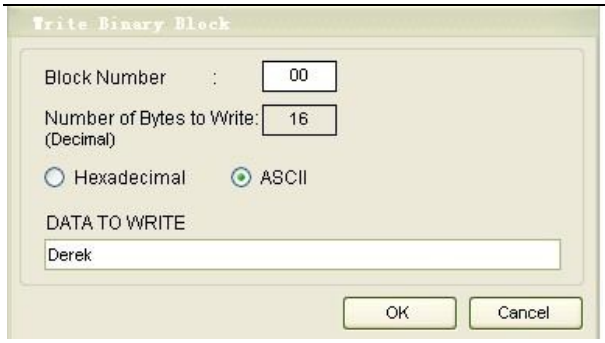


7. Execute the command you need.

Attention:

You want to write information into the card:

1. “00” Block Number is not available.
2. “Number of Bytes to Write:16” means that there must be 16 Bytes in the input box including blank space.


Write Binary Block
Block Number :
00
Number of Bytes to Write:
(Decimal)
16
Hexadecimal
ASCII
DATA TO WRITE
Derek
OK
Cancel