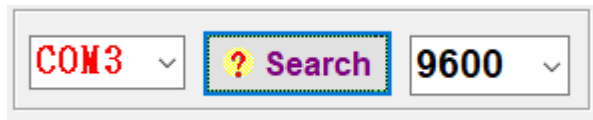


Sunion Ap 簡易操作說明

流程步驟:

1. 找到 USB IC 裝置, Search: 找尋模組在哪個 Com Port

Find the USB IC, and search the com port



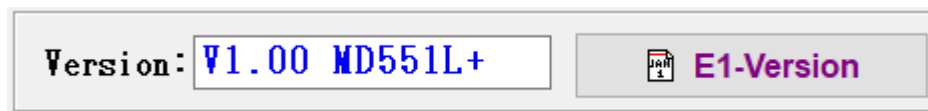
2. 下任何你要的指令

版本

Version

E1:顯示版本

E1: Show the version



讀取 UID

Read UID

A0:連續讀取 UID

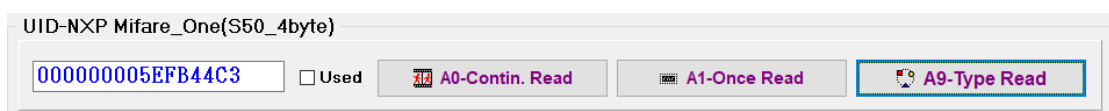
A0: Continue read UID

A1:讀一次 UID

A: Read once

A9: 讀一次 UID 且顯示 Tag 類型

A9: Read once and show TAG type



ISO14443A 頁面操作功能

ISO14443A operate function

讀寫 Block







Read and write block

k0:讀取 BLOCK

K0: Read block

K1:寫入 BLOCK

K1: Write block

ISO14443A	ISO 15693	ISO 18092	P2P / NDEF	Expansion									
<table><tr><td>Block</td><td>Data - 32</td><td> K0-Read Block</td><td> K1-Write Block</td></tr><tr><td>00</td><td>0123456789ABCDEF0123456789ABCDEF</td><td>Plus_Level 1</td><td>Plus_Level 2</td><td>Plus_Level 3</td></tr></table>					Block	Data - 32	 K0-Read Block	 K1-Write Block	00	0123456789ABCDEF0123456789ABCDEF	Plus_Level 1	Plus_Level 2	Plus_Level 3
Block	Data - 32	 K0-Read Block	 K1-Write Block										
00	0123456789ABCDEF0123456789ABCDEF	Plus_Level 1	Plus_Level 2	Plus_Level 3									

K2~K3:加密功能

K2~K3:Key A password function

若要執行此功能必須在一個 Sector(一個 Sector 等於 4 個 block)的最後一個 Block 執行

If you want use this function you should in the one sector's (one sector equal four block) the last block do it.

ISO14443A ISO 15693 ISO 18092 P2P / NDEF Expansion

Block Data - 32
07 000000000000FF078069FFFFFFFFFFFF K0-Read Block Plus_Level 1 Plus_Level 2

↓ write keyA in the 12 bytes

ISO14443A ISO 15693 ISO 18092 P2P / NDEF Expansion

Block Data - 32
07 123456789012FF078069FFFFFFFFFFFF K0-Read Block K1-Write Block Plus_Level 1 Plus_Level 2 Plus_Level 3

↓

ISO14443A ISO 15693 ISO 18092 P2P / NDEF Expansion

Block Data - 8
07 It will be blank K0-Read Block Plus_Level 1 Plus_Level 2

Key-12 FFFFFFFFFF K2-Select Key

Sector 01 If you don't give the right number K3-Load Key

↓

ISO14443A ISO 15693 ISO 18092 P2P / NDEF Expansion

Block Data - 32
07 000000000000FF078069FFFFFFFFFFFF K0-Read Block K1-Write Block Plus_Level 1 Plus_Level 2 Plus_Level 3

Key-1 123456789012 The palce enter the key K2-Select Key K4-Temp.Key

Sector 07-123456789012 K3-Load Key Press the K4

Value:增減數值

Add and Sub value

k5:在 block 內可以增值

K5: Add value in block

k6:在 block 內可以減值

K6: Sub value in block

在做增減值時請選取 Block 並且遵照以下格式

If you want add and sub value, you should find one block and following the below format

The format is (00000040FFFFFFBF00000040FF00FF00)

Value - 8/8	Sour_Block	Dest_Block	K5-Add Value	K7-Backup
<input type="text" value="00000040"/>	<input type="text" value="04"/>	<input type="text" value="00"/>	K6-Sub Value	

original

Block	Data - 32
<input type="text" value="04"/>	<input type="text" value="00000040FFFFFFBF00000040FF00FF00"/>



add value

Block	Data - 32
<input type="text" value="04"/>	<input type="text" value="00000040FFFFFFBF00000040FF00FF00"/>



sub value

Block	Data - 32
<input type="text" value="04"/>	<input type="text" value="00000040FFFFFFBF00000040FF00FF00"/>

複製到目標位置

k7:block 來源位置內容複製到目標位置 block 內容

K7: Copy data from A block to B block.

在做複製到目標位置時請選取 Block 並且遵照以下格式

If you want use copy function you should following the below format
(00000040FFFFFFBF00000040FF00FF00)

original

ISO14443A	ISO 15693	ISO 18092	P2P / NDEF	Expansi
Block	Data - 32			
04	00000000FFFFFF00000000FF00FF00			

ISO14443A	ISO 15693	ISO 18092	P2P / NDEF	Expansi
Block	Data - 32			
05	00000040FFFFFFBF00000040FF00FF00			

Sour_Block:來源位置

Dest_Block:目標位置

Value - 8/8	Sour_Block	Dest_Block	K5-Add Value	K7-Backup	K6-Sub Value
00000000	05	04			

Frmt:

Send: K7 W0504

Rece: K7 Y

After Backup

ISO14443A	ISO 15693	ISO 18092	P2P / NDEF	Expansi
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Block

04

Data - 32

00000040FFFFFFBF00000040FF00FF00

ISO14443A	ISO 15693	ISO 18092	P2P / NDEF	Expansi
-----------	-----------	-----------	------------	---------

Block

05

Data - 32

00000040FFFFFFBF00000040FF00FF00

Mifare Plus 卡片 格式化

Upgrade Mifaire Plus card

*一旦卡片格式化就無法返回初始卡片

*Once format the firmware process, you can't go back to

original card

The function is level1 to level3

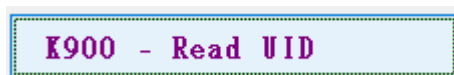


ISO15693 頁面操作功能

ISO15693 operate function

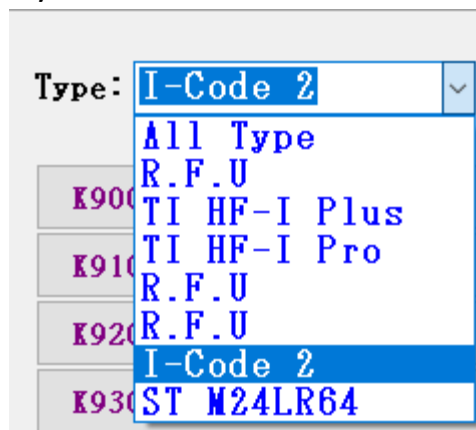
K900:讀取 UID

K900:Read UID



讀寫 Block 前須選取卡片 Type

If you want read and write block you should select type first.

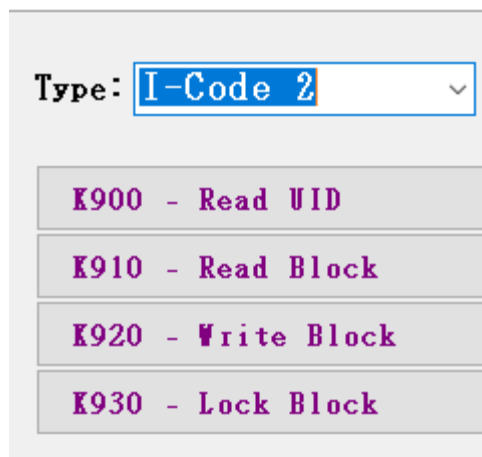


K910:讀 Block

K910: Read Block

K920:寫入 Block

K920: Write Block



ISO14443A

ISO 15693

ISO 18092

P2P / NDEF

Expansi

Blk 1.

00

Blk 2.

00

Num

00

Data - 16

00000000

☐ Used

☐ Lock

NDEF Function


Reader 端

Reader side

對卡片寫入網址或電話號碼

Type web side or Tell number in the card

Choose card type and funtion



The screenshot shows the NDEF writer interface. The 'Type' dropdown is set to '2.UltraLight-C'. The 'Data' dropdown is also set to '2.UltraLight-C'. The 'URI' dropdown is open, showing a list of protocols: 01-http://www., 02-http://www., 03-http://, 04-https://, 05-tel:, 06-mailto:, 07-ftp://anonymous:anonymous@, and 08-ftp://ftp.. The '01-http://www.' option is circled in red. A red arrow points down from the 'Data' dropdown to the 'Data' field in the second screenshot.

Type: 2.UltraLight-C URI: 01-http://www. ☐ High Byte

Data: 2.UltraLight-C 01-http://www. Make NDEF

02-http://www.
03-http://
04-https://
05-tel:
06-mailto:
07-ftp://anonymous:anonymous@
08-ftp://ftp.

Type: 2.UltraLight-C URI: 01-http://www. ☐ High Byte

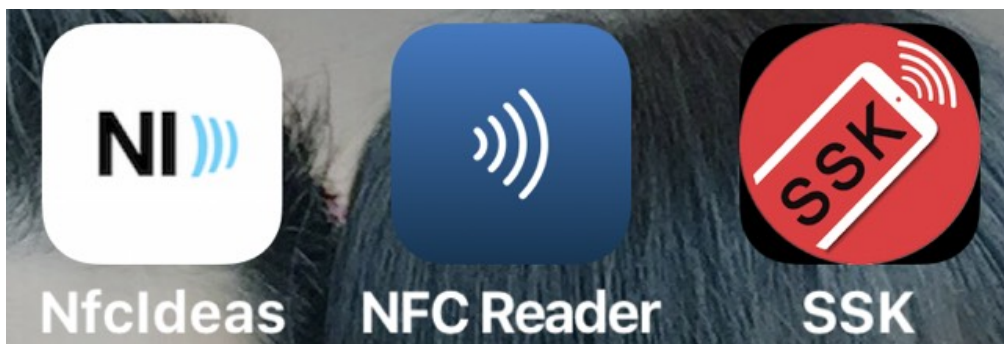
Data: sunion.com.tw Type the website Make NDEF

手機端

Telephone side

使用手機中任何可以做 NFC 的 APP

Use the App which have the NFC function



開啟 APP 進行讀卡

Open App and read card



指向卡片所寫入的網址

Point to the Web side you wrote

