

Smartcard API 1
..... 1
BS2CSNCard 1
BS2SmartCardHeader 2

Smartcard API

API

- [BS2_ScanCard](#):
- [BS2_WriteCard](#): SmartCard
- [BS2_EraseCard](#): SmartCard

BS2CSNCard

```
typedef struct {
    uint8_t type;
    uint8_t size;
    uint8_t data[BS2_CARD_DATA_SIZE];
} BS2CSNCard;
```

1. type

Access

가

0x00		
0x01	CSN	
0x02	Secure	
0x03	Access	
0x0A	Wiegand	BS2WiegandConfig.format (BS2WiegandConfig.CSNIndex BS2WiegandConfig.CardMask가 0
0x0B	Config	
0x1A	Wiegand	BS2WiegandMultiConfig.formats[0]
0x2A	Wiegand	BS2WiegandMultiConfig.formats[1]
0x3A	Wiegand	BS2WiegandMultiConfig.formats[2]
0x4A	Wiegand	BS2WiegandMultiConfig.formats[3]
0x5A	Wiegand	BS2WiegandMultiConfig.formats[4]
0x6A	Wiegand	BS2WiegandMultiConfig.formats[5]
0x7A	Wiegand	BS2WiegandMultiConfig.formats[6]
0x8A	Wiegand	BS2WiegandMultiConfig.formats[7]
0x9A	Wiegand	BS2WiegandMultiConfig.formats[8]
0xAA	Wiegand	BS2WiegandMultiConfig.formats[9]
0xBA	Wiegand	BS2WiegandMultiConfig.formats[10]
0xCA	Wiegand	BS2WiegandMultiConfig.formats[11]
0xDA	Wiegand	BS2WiegandMultiConfig.formats[12]
0xEA	Wiegand	BS2WiegandMultiConfig.formats[13]

6. issueCount

7. duressMask

8. cardAuthMode

FaceStation F2

FaceStation F2 **cardAuthModeEx**

2	
3	
4	PIN
5	PIN
6	, , PIN
254	
255	()

9. useAlphanumericID

Alphanumeric ID flag

10. cardAuthModeEx

FaceStation F2 **cardAuthMode**

[+ V2.7.1] FaceStation F2

	1	2	3
21			
22			
23			
24		PIN	
25			
26			PIN
27			PIN
28			PIN
29			
30			PIN
31			
32			PIN
33			PIN
34			PIN
35			PIN
254			

	1	2	3
255	()	

11. numOffFaceTemplate

template 가 (:384, :552)
 BS2SmartCardCredentials templateData

12. reserved

==== BS2SmartCardCredentials ==== <code cpp> typedef struct { uint8_t pin[BS2_PIN_HASH_SIZE]; uint8_t templateData[BS2_SMART_CARD_MAX_TEMPLATE_COUNT * BS2_FINGER_TEMPLATE_SIZE]; } BS2SmartCardCredentials; </code> 1. pin
 pin code

2. templateData

4
 ==== BS2AccessOnCardData ==== <code cpp> typedef struct { uint16_t accessGroupID[BS2_SMART_CARD_MAX_ACCESS_GROUP_COUNT]; BS2_DATETIME startTime; BS2_DATETIME endTime; } BS2AccessOnCardData; </code> 1. accessGroupID

2. startTime

가 , 0

3. endTime

가 , 0

==== BS2SmartCardData==== <code cpp> typedef struct { BS2SmartCardHeader header; uint8_t cardID[BS2_CARD_DATA_SIZE]; BS2SmartCardCredentials credentials; BS2AccessOnCardData accessOnData; } BS2SmartCardData; </code> 1. header
 SmartCard

2. cardID

Access on Card 32 byte Card ID
 Secure Credential card 24 byte Card ID
 Secure Credential Card(SCC) , 32 byte Card ID(24 bytes), issueCount(4 byte)
 Time Stamp(4 byte)
 , BS2UserBlob cardObjs array가 SC Card , SC Card
 cardObjs

3. credentials

pin code

4. accessOnData

AOC 가
 ==== BS2Card ==== <code cpp> typedef struct { uint8_t isSmartCard; union { BS2CSNCard card; BS2SmartCardData smartCard; }; }BS2Card; </code> 1. isSmartCard
 SmartCard flag

2. card

3. *smartCard*** SmartCard

From:

<https://kb.supremainc.com/bs2sdk/> - **BioStar 2 Device SDK**

Permanent link:

https://kb.supremainc.com/bs2sdk/doku.php?id=ko:smartcard_api&rev=1597982962

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