

- Smartcard API** 1
- 1
- BS2CSNCard 1
- BS2SmartCardHeader 2
- BS2SmartCardCredentials 4
- BS2AccessOnCardData 4
- BS2SmartCardData 4
- BS2Card 5

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. numOfFaceTemplate

template 가 (:384, :552)
BS2SmartCardCredentials templateData

12. reserved

BS2SmartCardCredentials

```
typedef struct {
    uint8_t pin[BS2_PIN_HASH_SIZE];
    uint8_t templateData[BS2_SMART_CARD_MAX_TEMPLATE_COUNT *
BS2_FINGER_TEMPLATE_SIZE];
} BS2SmartCardCredentials;
```

1. pin

pin code

2. templateData

4

BS2AccessOnCardData

```
typedef struct {
    uint16_t accessGroupID[BS2_SMART_CARD_MAX_ACCESS_GROUP_COUNT];
    BS2_DATETIME startTime;
    BS2_DATETIME endTime;
} BS2AccessOnCardData;
```

1. accessGroupID

2. startTime

가 , 0

3. endTime

가 , 0

BS2SmartCardData

```
typedef struct {
    BS2SmartCardHeader header;
```

```

uint8_t cardID[BS2_CARD_DATA_SIZE];
BS2SmartCardCredentials credentials;
BS2AccessOnCardData accessOnData;
} BS2SmartCardData;

```

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

```

typedef struct {
    uint8_t isSmartCard;
    union {
        BS2CSNCard card;
        BS2SmartCardData smartCard;
    };
}BS2Card;

```

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=1597983024

Last update: **2020/08/21 13:10**