

Smartcard API 1

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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/kbtest/> - **BioStar 2 Device SDK**

Permanent link:
https://kb.supremainc.com/kbtest/doku.php?id=ko:smartcard_api&rev=1597983024

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