

**Smartcard API** ..... 1

..... 1

BS2CSNCard ..... 1

BS2SmartCardHeader ..... 1

BS2SmartCardCredentials ..... 2

BS2AccessOnCardData ..... 2

BS2SmartCardData ..... 3

BS2Card ..... 3

# 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

0	
1	CSN
2	Secure
3	Access
10	Wiegand

### 2. size

### 3. data

## BS2SmartCardHeader

```
typedef struct {  
    uint16_t hdrCRC;  
    uint16_t cardCRC;  
    BS2_CARD_TYPE cardType;  
    uint8_t numOfTemplate;  
    uint16_t templateSize;  
    uint16_t issueCount;  
    uint8_t duressMask;  
    uint8_t reserved[5];  
}
```

```
} BS2SmartCardHeader;
```

1. *hdrCRC*  
card header
2. *cardCRC*  
card data
3. *cardType*

0	
1	CSN
2	Secure
3	Access
4	Wiegand

4. *numOfTemplate*

5. *templateSize*

BioStar 2

가

300

가

384

300

6. *issueCount*

7. *duressMask*

## 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*

3. *credentials*

pin code

3. *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:

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

Permanent link:

[http://kb.supremainc.com/bs2sdk/doku.php?id=ko:smartcard\\_api&rev=1512017387](http://kb.supremainc.com/bs2sdk/doku.php?id=ko:smartcard_api&rev=1512017387)

Last update: **2017/11/30 13:49**