

Smartcard API 1

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Smartcard API

API

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

[https://kb.supremainc.com/bs2sdk./](https://kb.supremainc.com/bs2sdk/) - **BioStar 2 Device SDK**

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