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# Smartcard API

## API

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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];  
}
```



```

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/> - **BioStar 2 Device SDK**

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Last update: **2017/08/17 10:04**