

**Device API** ..... 1

..... 1

    BS2SimpleDeviceInfo ..... 1

    BS2ResourceElement ..... 4

# Device API

- [BS2\\_GetDeviceInfo](#): 가
- [BS2\\_GetDeviceTime](#): 가
- [BS2\\_SetDeviceTime](#):
- [BS2\\_ClearDatabase](#): Blacklist
- [BS2\\_FactoryReset](#):
- [BS2\\_RebootDevice](#):
- [BS2\\_LockDevice](#):
- [BS2\\_UnlockDevice](#):
- [BS2\\_SetKeepAliveTimeout](#): keep-alive
- [BS2\\_UpgradeFirmware](#):
- [BS2\\_UpdateResource](#):

## BS2SimpleDeviceInfo

```
typedef struct
{
    uint32_t id;
    uint16_t type;
    uint8_t connectionMode;
    uint32_t ipv4Address;
    uint16_t port;
    uint32_t maxNumOfUser;
    uint8_t userNameSupported;
    uint8_t userPhotoSupported;
    uint8_t pinSupported;
    uint8_t cardSupported;
    uint8_t fingerSupported;
    uint8_t faceSupported;
    uint8_t wlanSupported;
    uint8_t tnaSupported;
    uint8_t triggerActionSupported;
    uint8_t wiegandSupported;
    uint8_t imageLogSupported;
    uint8_t dnsSupported;
    uint8_t jobCodeSupported;
    uint8_t wiegandMultiSupported;
    uint8_t rs485Mode;
    uint8_t sslSupported;
    uint8_t rootCertExist;
    uint8_t dualIDSupported;
    uint8_t useAlphanumericID;
```

```

uint32_t connectedIP;
uint8_t phraseCodeSupported;
uint8_t card1xSupported;
uint8_t systemExtSupported;
uint8_t voipSupported;
}BS2SimpleDeviceInfo;

```

1. id

1

2. type

|      |               |
|------|---------------|
|      |               |
| 0x01 | BioEntry Plus |
| 0x02 | BioEntry W    |
| 0x03 | BioLite Net   |
| 0x04 | Xpass         |
| 0x05 | Xpass S2      |
| 0x06 | Secure IO 2   |
| 0x07 | DM-20         |
| 0x08 | BioStation 2  |
| 0x09 | BioStation A2 |
| 0x0A | FaceStation 2 |
| 0x0B | IO Device     |
| 0x0C | BioStation L2 |
| 0x0D | BioEntry W2   |
| 0x0E | CoreStation   |
| 0x0F | Output Module |
| 0x10 | Input Module  |
| 0x11 | BioEntry P2   |
| 0x0F | OM-120        |

3. connectionMode

BioStar  
mode(0x1) . direct mode BioStar  
가 BioStar  
IP Config

direct mode(0x0) server  
server mode  
direct mode

4. ipv4Address

IP

5. port

TCP

6. maxNumOfUser

7. userNameSupported

flag

8. *userPhotoSupported*

flag .

9. *pinSupported*

PIN flag .

10. *cardSupported*

flag .

11. *fingerSupported*

flag .

12. *faceSupported*

flag .

13. *wlanSupported*

flag .

14. *tnaSupported*

flag .

15. *triggerActionSupported*

trigger action flag .

16. *wiegandSupported*

Wiegand flag .

17. *imageLogSupported*

flag .

18. *dnsSupported*

DNS flag .

19. *jobCodeSupported*

Job Code flag .

20. *wiegandMultiSupported*

wiegandMulti flag .

21. *rs485Mode*

RS485 .

22. *sslSupported*

ssl flag .

23. *rootCertExist*

root 가 flag .

24. *dualIDSsupported*

dualID( , ) flag .

25. *useAlphanumericID*

AlphanumericID flag .

25. *connectedIP*  
가 ip . (0xFFFFFFFF if disconnected)

26. *phraseCodeSupported*  
flag .

27. *card1xSupported*  
1.x ToC flag .

28. *systemExtSupported*  
RS-485 flag .

29. *voipSupported*  
VoIP flag .

### BS2ResourceElement

```
typedef struct
{
    uint8_t type;
    uint32_t numResData;
    struct {
        uint8_t index;
        uint32_t dataLen;
        uint8_t* data;
    } resData[128];
}BS2ResourceElement;
```

#### 1. type

|   |                   |       |
|---|-------------------|-------|
| 0 | UI(Langauge pack) |       |
| 1 | Notice message    | UTF-8 |
| 2 | Image(Background) | PNG   |
| 3 | Slide image       | PNG   |
| 4 | Sound             | WAVE  |

#### 2. numResData

#### 3. index

#### 4. dataLen

#### 5. data

From:

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

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