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Device API

- [BS2_GetDeviceInfo](#): 가 .
- [BS2_GetDeviceInfoEx](#): 가 가 . (V2.6.0)
- [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 40
0x0F	Output Module
0x10	Input Module
0x11	BioEntry P2
0x12	BioLite N2
0x13	XPass2
0x14	XPass S3
0x15	BioEntry R2
0x16	XPass D2
0x17	Door Module 21
0xFF	Unknown Type

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. *dualIDSupported*

dualID(,) flag .

25. *useAlphanumericID*

AlphanumericID flag .

26. *connectedIP*

가 ip . (0xFFFFFFFF if disconnected)

27. *phraseCodeSupported*

flag .

28. *card1xSupported*

1.x ToC flag .

29. *systemExtSupported*

RS-485 flag .

30. *voipSupported*

VoIP flag .

BS2SimpleDeviceInfoEx

BS2SimpleDeviceInfo 가 .

```
typedef struct
{
    enum
    {
        BS2_SUPPORT_RS485EX = 0x00000001,
        BS2_SUPPORT_CARDEX = 0x00000002,
        BS2_SUPPORT_DST = 0x00000004,
        BS2_SUPPORT_ALL = BS2_SUPPORT_RS485EX | BS2_SUPPORT_CARDEX |
        BS2_SUPPORT_DST,
    };

    uint32_t supported;
    uint8_t reserved[4];
}BS2SimpleDeviceInfoEx;
```

1. *supported*

가 BS2SimpleDeviceInfo 가 가 .
bit masking .

BS2_SUPPORT_RS485EX	0x00000001	RS485 (CoreStation 40)
BS2_SUPPORT_CARDEX	0x00000002	iClass SEOS
BS2_SUPPORT_DST	0x00000004	
BS2_SUPPORT_ALL	0x00000007	가

2. reserved

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

BS2IPv6DeviceInfo

```
enum {
    BS2_MAX_IPV6_ALLOCATED_ADDR = 8,
};

typedef struct
{
    BS2_DEVICE_ID id;
    uint8_t reserved[1];
    uint8_t bIPv6Mode;
    char ipv6Address[BS2_IPV6_ADDR_SIZE];
    uint16_t portV6;
    char connectedIPv6[BS2_IPV6_ADDR_SIZE];
    uint8_t numOfAllocatedAddressV6;
    char
    allocatedIpAddressV6[BS2_IPV6_ADDR_SIZE][BS2_MAX_IPV6_ALLOCATED_ADDR];
}BS2IPv6DeviceInfo;
```

1. *id*

.

2. *reserved*

.

3. *bIPv6Mode*

가 IP V6

flag

.

4. *ipv6Address*

IP V6

.

5. *portV6*

IP V6

.

6. *connectedIPv6*

가

IP V6

.

7. *numOfAllocatedAddressV6*

IP V6

.

8. *allocatedIpAddressV6*

IP V6

. numOfAllocatedAddressV6

.

From:

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

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