1.Bluetooth Service Definition[DISCOVERABLE]

1) Advertising Data in DISCOVERABLE_CONNECTABLE

Service UUID 0xFFE0 in the complete or more service segment.

Manufacturer data: <0xff,0xff><0xc0,0xff><0x09>

Eg.:

{0x02,AD_TYPE_FLAGS,FLAG_BIT_LE_GENERAL_DISCOVERABLE_MODE|FLAG_BIT_BR_ED
RNOT_SUPPORTED,

0x05,AD_TYPE_16_BIT_SERV_UUID,0xdd,0xff,0xe0,0xff,

0x06,AD_TYPE_MANUFACTURER_SPECIFIC_DATA,0xFF,0xFF,0xC0,0xFF,0x09};

2) Service UUID:

0xFFE0

3) Characteristic:

UUID	property	description
0xFFE1	Write	Smart device use to send message to sensor
0xFFE2	Notify	sensor use to send message to Smart device
0xFFE3	Write	Smart use to send HomeID/password to sensor

Set meshinfo:

Write to 0xFFE3(9 bytes): 0x01,id,password[4]

2.Advertising data in WORKING_ADVERTISING

1) SM-->sensor:

length,AD_TYPE_MANUFACTURER_SPECIFIC_DATA,0xFF,0xFF,0xC0,0xFF,0x10,0x01,0x00,0x00,0x00,

0xff,0xff,0xff,0xd7,0xac,0xf0,seq,user_data[n]

0x01,0x00,0x00,0x00 :id

0xff,0xff,0xff,0xd7,0xac,0xf0:sensor's public address

If legal,user_data will be delivered to application layer.

Eg,.

0x12,AD_TYPE_MANUFACTURER_SPECIFIC_DATA,0xFF,0xFF,0xC0,0xFF,0x10,0x01,0x00,0x00,0x00,

0xff,0xff,0xff,0xd7,0xac,0xf0,0x01,0x84

Send data to the sensor<0xff,0xff,0xff,0xd7,0xac,0xf0>,if the sensor own the id 0x00000001,the application layer will receive the data:0x84

Note:seq is added to avoid repeated data.

2)　　Sensor-->SM:(ack)

0x0a,AD_TYPE_MANUFACTURER_SPECIFIC_DATA,0xFF,0xFF,0xC0,0xFF,0x11,seq,0x01,0x02,0x03

Seq is the seq received in the data from SM.0x01,0x02,0x03 is the response data.