BC95---OneNET 基本通信流程 V0.1

V1.0 2018.11.21

写在前面:需要注意,从第三步开始,步骤4,5与M5310的操作基本完全不一样。详细的每一位的意义直接参考 Quectel_BC95_OneNET_Application_Note_V1.3.pdf

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- Step 1: Create a communication suite instance.
- Step 2: Add a LwM2M object.
- Step 3: Send register request to the OneNET platform.
- Step 4: Respond to the observe request with result code.
- Step 5: Respond to the resource discover request with resource ID list.
- Step 6: Read Resource.
- Step 7: Write Resource.
- Step 8: Notify resource data.
- Step 9: Quit communication.
 - 9.1 Send deregister request to the OneNET platform.
 - 9.2 Delete the communication suite instance.

Step 1: Create a communication suite instance.

Send: AT+MIPLCREATE Receive: (right)

+MIPLCREATE:0

OK

Receive: (wrong)

ERROR

Step 2: Add a LwM2M object.

Send: AT+MIPLADDOBJ=0,3311,1,"1",3,0 Receive: (right)

OK

Receive: (wrong)

ERROR

Step 3: Send register request to the OneNET platform.

Send: AT+MIPLOPEN=0,270,120 Receive: (right)

OK

+MIPLEVENT: 0,1

+MIPLEVENT: 0,2

+MIPLEVENT: 0,4

+MIPLEVENT: 0,6

+MIPLOBSERVE: 0,78668,1,3311,0,-1

+MIPLDISCOVER: 0,13133,3311

Receive(wrong): 没有收到MIPLDISCOVER ... 就是有问题的

Step 4: Respond to the observe request with result code.

此步骤是为了响应步骤3中+MIPLOBSERVE: 0,78668,1,3311,0,-1,这个语句为了上传而设定,在OneNET平台上注册设备时,是否开启自动订阅选择是,否则不能主动上。一般步骤4/5的下发顺序不一定,尽量早点响应,如果来不及这句可以不响应,但如同78668的码字必须记录下来,上传的时候需要。

Send: AT+MIPLOBSERVERSP=0,78668,1 Receive: (right)

ОК

Receive: (wrong)

ERROR

Step 5: Respond to the resource discover request with resource ID list.

此步骤是为了响应步骤3中+MIPLDISCOVER: 0,13133,3311, 此步骤的作用是添加属性

Send: AT+MIPLDISCOVERRSP=0,13133,1,14,"5850;5851;5852" Receive: (right)

ОК

Receive: (wrong)

ERROR

Step 6: Read Resource.

Receive: +MIPLREAD: 0,38394,3311,0,5851 Send:

AT+MIPLREADRSP=0,34698,1,3311,0,5851,3,2,37,0,0 Receive: (right)

OK

Receive: (wrong)

ERROR

Step 7: Write Resource.

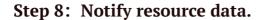
Receive: +MIPLWRITE: 0,13045,3311,0,5851,2,1,05,0,0 Send:

AT+MIPLWRITERSP=0,13045,2 Receive: (right)

ОК

Receive: (wrong)

ERROR



Receive: (wrong)

ERROR

