移远4G模块操作指令

1. 操作步骤:
2. 配置PDP ,设置APN ,用户名,密码等

AT+QICSGP ( 与AT+CGDCONT 的功能是相同的)

1. 激活PDP

AT+QIACT

1. 配置HTTP

AT+QHTTPCFG

1. 配置SSL

AT+QSSLCFG

1. 设置URL

AT+QHTTPURL

1. 发送

AT+QHTTPGET / QHTTPGETPOST QHTTPPOSTFILE

1. 获取应答

AT+QHTTPREAD /QHTTPREADFILE

1. 取消激活HTTP

AT+QIDEACT

二、GPS操作步骤

1. 配置GPS(RMC格式)

AT+QGPSCFG="gpsnmeatype",2

1. 激活GPS

AT+QGPS=1

1. 获取坐标

AT+QGPSLOC?

1. 指令详解:
2. PDP配置

* AT+QICSGP=contextId,IP模式(1~IPV4),APN,用户名,密码

设置APB,示例:

|  |
| --- |
| 发送: |
| AT+QICSGP=1,1,"cmnet","","" |
| 应答: |
| OK |

* AT+CGDCONT?

查询各通道配置,示例:

|  |
| --- |
| 发送: |
| AT+CGDCONT? |
| 应答: |
| +CGDCONT: 1,"IPV4V6","cmnet","0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0",0,0,0,0  +CGDCONT: 2,"IPV4V6","","0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0",0,0,0,0  +CGDCONT: 3,"IPV4V6","","0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0",0,0,0,0  +CGDCONT: 4,"IPV4V6","CMWAP","0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0",0,0,0,0  +CGDCONT: 5,"IPV4V6","IMS","0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0",0,0,0,0  OK |

* AT+CGDCONT=1,"IPV4V6","3gnet"

设置协议和APN

|  |
| --- |
| 发送: |
| AT+CGDCONT? |
| 应答: |
| OK |

1. 激活4G网络通道

|  |
| --- |
| 发送: 激活通道1 |
| AT+QIACT=1 |
| 应答: |
| OK |

1. 查询4G网络通道状态

|  |
| --- |
| 发送: |
| AT+QIACT? |
| 应答: +QIACT: 通道,激活状态,IP类型,”IP地址” |
| +QIACT: 1,1,1,"10.165.74.131"  OK |

1. 关闭4G网络通道

|  |
| --- |
| 发送: 激活通道1 |
| AT+QIDEACT=1 |
| 应答: |
| OK |

1. 打开TCPIP

AT+QIOPEN= PDP索引, SOCKET索引, “协议类型”, ”目标IP,/域名”, “端口”

|  |
| --- |
| 发送: |
| AT+QIOPEN=1,0,"TCP","www.id315.com",9080,0 |
| 应答: +QIOPEN: <connectID>,<err> |
| OK  +QIOPEN: 0,0  +QIURC: "closed",0 |

最后可以多一个参数传输模式, 传输模式=2(透传),会返回CONNECT

1. 关闭TCP

|  |
| --- |
| 发送: |
| AT+QICLOSE=0 |
| 应答: OK/ERROR |
| OK |

1. 发送数据

AT+QISEND=SOCKETID,长度(等于0,表示查询已发送的数据)

|  |  |
| --- | --- |
| 发送: | AT+QISEND=0,100 |
| 应答 | > |
| 发送: | 100个数据 |
| 发送: | CTRL+Z |
| 应答: | SEND OK/SEND FAIL /ERROR |

1. 接收数据

|  |  |
| --- | --- |
| 发送: | AT+QIRD=0,1500 |
| 应答: | +QIRD: 100  100个数据  OK |

1. 设置时钟同步服务器

|  |  |
| --- | --- |
| 发送: | AT+QNTP=ntp.windows.com,123 |
| 应答:OK/ERROR | OK |
|  | +QNTP: 0, YYYY/MM/DD,hh:mm:ss[+/-]zz |

1. 读取网络时钟
2. 短信发送
3. 网络校时

AT+QLTS=1

//读取网络校时之后的推算出的时间, 无网络时该指令返回ERROR

//有网络时,在首次校时之前,输出 +QLTS: ""

//校时之后 输出 +QLTS: "2018/01/05,02:29:54+32,0"

1. GPS

UBLOC-4G模块操作指令