



**【AT command set】 serial port server  
(NB183)  
(Serial ⇌ Ethernet)**



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# 1. "Basic Functions" AT Command Set

1. Enter the AT command mode: the serial port sends +++ , send AT again within 3 seconds, and the device returns +OK , then enter the AT command mode;
2. This instruction manual only supports NB183 eight serial port server;
3. In the following text, "<CR><LF>" and "\r\n" represent line breaks in different text formats, which are actually HEX (0x0D and 0x0A);

Error code table:

error code	explanation
-1	invalid command
-2	reserve
-3	reserve
-4	invalid parameter
-5	reserve

## 1.1 Summary of basic configuration instructions

command	description
AT+EXAT	Exit AT configuration mode
AT+MODEL	Device model
AT+NAME	Device name
AT+SN	Device ID
AT+REBT	Reboot the device
AT+RESTORE	Reset
AT+VER	Query firmware version
AT+UART	Serial port parameters
AT+MAC	Device MAC address
AT+WAN	Device network parameters
AT+LPORT	Device port
AT+SOCK	Working mode and target network parameters
AT+LINKSTA	Connection status feedback
AT+UARTCLR	Connect serial port cache mode
AT+REGMOD	Registration Package Mode
AT+REGINFO	Registration Package Contents
AT+HEARTMOD	Heartbeat Packet Mode
AT+HEARTINFO	Heartbeat package content
AT+SHORTM	short connection
AT+TMORST	short connection
AT+TMOLINK	Restart after disconnection

## 1.2 Enter AT command

Command	AT
Function	Enter AT command mode
Send	AT
Return	<CR><LF>+OK<CR><LF>/<CR><LF>+OK=AT enable<CR><LF>
Remark	Returns when there is no connection and configuration: +OK=AT enable Return when there is a connection: +OK

### 【Example】

Send +++ first without newline

No line break is required when sending AT

Received \r\n+OK\r\n or \r\n+OK=AT enable\r\n

## 1.3 Exit AT command

Command	AT+EXAT
Function	Enter AT command mode
Send	AT+EXAT<CR><LF>
Return	<CR><LF>+OK<CR><LF>

### 【Example】

Send: AT+EXAT\r\n

Received:\r\n+OK\r\n

Wait for the device to restart.

## 1.4 Query model

Command	AT+MODEL
Function	Query model
Send	AT+MODEL<CR><LF>
Return	<CR><LF>+OK=<Model String><CR><LF>
Remark	Modelstring:NB183

### 【Example】

Send: AT+MODEL\r\n

Received: \r\n +OK=NB183 \r\n

## 1.5 Query /set name

Command	AT+NAME
Function	Query /set name
Send(Query)	AT+NAME<CR><LF>
Return(Query)	<CR><LF>+OK=<Name String><CR><LF>
Send (Set)	AT+NAME=<Name String><CR><LF> (Limit 10 bytes)
Return(Set)	<CR><LF>+OK<CR><LF>

### 【Example】

Inquire:

Send: AT+NAME\r\n

Received:\r\n +OK=A001\r\n

set up:

Send: AT+NAME=001\r\n

Received: \r\n +OK \r\n

## 1.6 Query/Set ID

Command	AT+SN
Function	Query/Set ID
Send(Query)	AT+SN<CR><LF>
Return(Query)	<CR><LF>+OK=<SN String><CR><LF>
Send (Set)	AT+SN=<SN String><CR><LF> (Limit 24 bytes)
Return(Set)	<CR><LF>+OK<CR><LF>

### 【Example】

Inquire:

Send: AT+SN\r\n

Received:\r\n +OK=S001\r\n

set up:

Send: AT+SN=111\r\n

Received: \r\n +OK \r\n

## 1.7 Reboot

Command	AT+REBT
Function	Reboot
Send	AT+REBT<CR><LF>
Return	<CR><LF>+OK<CR><LF>

**【Example】**

Send: AT+REBT\r\n

Received: \r\n +OK \r\n

Wait for the restart to complete.

## 1.8 Factory reset

Command	AT+RESTORE
Function	Factory reset
Send	AT+RESTORE<CR><LF>
Return	<CR><LF>+OK<CR><LF>

**【Example】**

Send: AT+RESTORE\r\n

Received: \r\n +OK \r\n

Wait for the restart to complete.

## 1.9 Query version information

Command	AT+VER
Function	Query version information
Send	AT+VER<CR><LF>
Return	<CR><LF>+OK<CR><LF>

**【Example】**

Send: AT+VER\r\n

Received: \r\n +OK =9101-0-xx\r\n

## 1.10 Query/set serial port

Command	AT+UART
Function	Query/set serial port
Send(Query)	AT+UART<CR><LF>
Return(Query)	<CR><LF>+OK=<Port, Baud, Data, Stop, Parity, Flow><CR><LF>
Send (Set)	AT+UART=< Baud, Data, Stop, Parity, Flow ><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 Baud (baud rate): 2400, 4800, 9600, 19200, 38400, 57600, 115200; Data (data bits): 8 Stop (stop bit): 1, 2 Parity: NONE, ODD, EVEN Flow (flow control): NONE,

**【Example】**

Inquire:

Send: AT+UART=1\r\n

Received:\r\n+OK=1,115200,8,1,NONE,NONE\r\n

set up:

Send: AT+UART=1,115200,8,1,NONE,NONE\r\n

Received:\r\n+OK\r\n

### 1.11 Query MAC address

Command	AT+MAC
Function	Query MAC address
Send	AT+MAC<CR>
Return	<CR><LF>+OK=<MAC><CR><LF>
Remark	return data format“xx-xx-xx-xx-xx-xx”

**【Example】**

Send: AT+MAC\r\n

Received:\r\n+OK=84-C2-E4-36-05-A2\r\n

### 1.12 Query/set network parameters

Command	AT+WAN
Function	Query/set network parameters
Send(Query)	AT+WAN<CR><LF>
Return(Query)	<CR><LF>+OK=<Mode, Address, Mask, Gateway, DNS><CR><LF>
Send (Set)	AT+WAN=< Mode, Address, Mask, Gateway, DNS><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Mode: DHCP/STATIC Address: local IP address Mask: subnet mask Gateway: gateway DNS: DNS server

**【Example】**

Inquire:

Send: AT+WAN\r\n

Received: \r\n+OK=STATIC ,192.168.3.7,255.255.255.0,192.168.3.1,114.114.114.114\r\n

Settings: (Dynamic IP)

Send: AT+WAN=DHCP\r\n

Received:\r\n+OK\r\n



Settings: (Static IP)

Send: AT+WAN=STATIC,192.168.3.7,255.255.255.0,192.168.3.1,114.114.114.114\r\n

Received:\r\n+OK\r\n

### 1.13 Query/set the local port number

Command	AT+LPORT
Function	Query/set the local port number
Send(Query)	AT+LPORT<CR>
Return(Query)	<CR><LF>+OK=<Port,Value><CR><LF>
Send (Set)	AT+LPORT=<Value><CR>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 Value (port number): 0-65535,0 (the client mode uses a random port, and the server mode needs to use the "non-0" parameter, otherwise the device server will fail to open, and the port number cannot be repeated);

#### 【Example】

Inquire:

Send: AT+LPORT=1\r\n

Received:\r\n+OK=1,8887\r\n

set up:

Send: AT+LPORT=1,8883\r\n

Received:\r\n+OK\r\n

### 1.14 Query/set the working mode of the machine and network parameters of the target device

Command	AT+SOCK
Function	Query/set the working mode of the machine and network parameters of the target device
Send(Query)	AT+SOCK<CR><LF>
Return(Query)	<CR><LF>+OK=<Port,Model, Remote IP, Remote Port><CR><LF>
Send (Set)	AT+SOCK=<Model, Remote IP, Remote Port><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 Model (working mode): TCPC, TCPS, UDPC, UDPS, MQTTC, HTTPC; Remote IP (target IP/domain name): a maximum of 128-character domain name can be configured; Remote Port (target port): 1-65535;

#### 【Example】

Inquire:

Send: AT+SOCK=1\r\n

Received:\r\n+OK=1,TCPC,192.168.3.3,8888\r\n

set up:

Send: AT+SOCK=1,TCPC,192.168.3.100,8886\r\n

Received:\r\n+OK\r\n

## 1.15 Query network link status

Command	AT+LINKSTA
Function	Query network link status
Send	AT+LINKSTA<CR><LF>
Return	<CR><LF>+OK=<Port><STA><CR><LF>
Remark	Port (port number): 1~8 STA: Connect/Disconnect

**【Example】**

Send: AT+LINKSTA=1\r\n

Received:\r\n+OK=1,Disconnect\r\n

## 1.16 Query/set serial port cache clearing status

Command	AT+UARTCLR
Function	Query/set serial port cache clearing status
Send(Query)	AT+UARTCLR=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><STA><CR><LF>
Send (Set)	AT+UARTCLR=<Port><STA><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 STA: ON (enable connection flushing cache) OFF (disable connection clearing cache)

**【Example】**

Inquire:

Send: AT+UARTCLR=1\r\n

Received:\r\n+OK=1,ON\r\n

set up:

Send: AT+UARTCLR=1,OFF\r\n

Received:\r\n+OK\r\n

## 1.17 Query/Set Registration Package Mode

Command	AT+REGMOD
Function	Query/Set Registration Package Mode

Send(Query)	AT+REGMOD=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Status><CR><LF>
Send (Set)	AT+REGMOD=<Port><Status><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 Status: OFF - Disabled OLMAC - Send MAC on first connection OLCSTM - First Connection Send Custom EMBMAC - send MAC per packet EMBCSTM - Send Per Packet Custom

**【Example】**

Inquire:

Send: AT+REGMOD=1\r\n

Received:\r\n+OK=1,OFF\r\n

set up:

Send: AT+UARTCLR=1,OLMAC\r\n

Received:\r\n+OK\r\n

## 1.18 Query/set custom registration package content

Command	REGINFO
Function	Query/set custom registration package content
Send(Query)	AT+HEARTINFO=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Mode><Data><CR><LF>
Send (Set)	AT+HEARTINFO=<Port><Mode><Data><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 Mode: data format (HEX) hexadecimal, (STR) string; Data data: ASCII limit is 40 bytes, HEX limit is 20 bytes;

**【Example】**

Inquire:

Send: AT+REGINFO=1\r\n

Received:\r\n+OK=STR,regist msg\r\n

set up:

Send: AT+REGINFO=1,STR,EBTYE TEST\r\n

Received:\r\n+OK\r\n

## 1.19 Query/Set Heartbeat Packet Mode

Command	AT+HEARTMOD
Function	Query/Set Heartbeat Packet Mode

Send(Query)	AT+ HEARTMOD=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Mode><Time><CR><LF>
Send (Set)	AT+HEARTMOD=<Port><Mode><Time><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 Mode: NONE (closed), UART (serial heartbeat), NET (network heartbeat); Time: time 0-65535s, 0 (close the heartbeat);

**【Example】**

Inquire:

Send: AT+HEARTMOD=1\r\n

Received:\r\n+OK=1,NONE,0\r\n

Send: AT+HEARTMOD =1,NET,50\r\n

Received:\r\n+OK\r\n

### 1.20 Query/set heartbeat data

Command	AT+HEARTINFO
Function	Query/set heartbeat data
Send(Query)	AT+HEARTINFO=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Mode><Data ><CR><LF>
Send (Set)	AT+HEARTINFO=<Port><Mode><Data><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 Mode: data format (HEX) hexadecimal, (STR) string; Data data: ASCII limit is 40 bytes, HEX limit is 20 bytes;

**【Example】**

Inquire:

Send: AT+HEARTINFO=1\r\n

Received:\r\n+OK=1,STR,heart beat msg\r\n

set up:

Send: AT+HEARTINFO=1,STR,EBTYE HEART TEST\r\n

Received:\r\n+OK\r\n

### 1.21 Query/Set Short Connection Time

Command	AT+SHORTM
Function	Query/Set Short Connection Time
Send(Query)	AT+SHORTM=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Time><CR><LF>
Send (Set)	AT+SHORTM=<Port><Time><CR><LF>

Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 Time: Limit 2-255s, 0 is off;

**【Example】**

Inquire:

Send: AT+SHORTM=1\r\n

Received:\r\n+OK=1,0\r\n

set up:

Send: AT+SHORTM=1,5\r\n

Received:\r\n+OK\r\n

## 1.22 Query/set timeout restart time

Command	AT+TMORST
Function	Query/set timeout restart time
Send(Query)	AT+TMORST<CR><LF>
Return(Query)	<CR><LF>+OK=<Time><CR><LF>
Send (Set)	AT+TMORST=<Time><CR><LF> (Limit 60-65535s, 0 is off)
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Time: Limit 60-65535s, 0 is off;

**【Example】**

Inquire:

Send: AT+TMORST=1\r\n

Received:\r\n+OK=1,300\r\n

set up:

Send: AT+SHORTM=1,350\r\n

Received:\r\n+OK\r\n

## 1.23 Query/set disconnection and reconnection time

Command	AT+TMOLINK
Function	Query/set disconnection and reconnection time
Send(Query)	AT+TMOLINK<CR><LF>
Return(Query)	<CR><LF>+OK=<Times,><CR><LF>
Send (Set)	AT+TMOLINK=<Times,><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Times (disconnection and reconnection time): limit 5-255, 0 is closed, it is not recommended to close;

**【Example】**

Inquire:

Send: AT+TMOLINK=1\r\n

Received:\r\n+OK=1,5\r\n

set up:

Send: AT+TMOLINK=1,10\r\n

Received:\r\n+OK\r\n

## 2. "Modbus Function" AT Command Set

### 2.1 Summary of "Modbus Function" Commands

Command	Description
AT+MODWKMOD	Modbus mode
AT+MODPTCL	Protocol conversion
AT+MODGTWYTM	Storage Gateway Instruction Storage Time and Query Interval
AT+MODCMDEDIT	Modbus RTU command pre-stored

### 2.2 Query Modbus working mode and command timeout time

Command	AT+MODWKMOD
Function	Query and set Modbus working mode
Send(Query)	AT+MODWKMOD=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Mode><Timeout><CR><LF>
Remark	Port (port number): 1~8 Mode: NONE (disables MODBUS) SIMPL (Simple Protocol Conversion) MULIT (Multi-Master Mode) STORE (Storage Gateway) CONFIG (Configurable Gateway) AUTOUP (active upload mode) Timeout: 0-65535;

Inquire:

Send: AT+MODWKMOD=1\r\n

Received:\r\n+OK==1,SIMPL,100\r\n

set up:

Send: AT+MODWKMOD=1,MULIT,1000\r\n

Received:\r\n+OK\r\n

## 2.3 Enable Modbus TCP to Modbus RTU protocol conversion

Command	AT+MODPTCL
Function	Query and set protocol conversion (Modbus TCP<=>Modbus RTU)
Send(Query)	AT+MODPTCL=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Mode><CR><LF>
Remark	Port (port number): 1~8 Mode: ON (enable protocol conversion) OFF (disables protocol conversion)

Inquire:

Send: AT+MODPTCL=1\r\n

Received:\r\n+OK=ON\r\n

set up:

Send: AT+MODPTCL=1,ON\r\n

Received:\r\n+OK\r\n

## 2.4 Set Modbus gateway command storage time and automatic query interval

Command	AT+MODGTWYTM
Function	Query and configure Modbus gateway command storage time and automatic query interval
Send(Query)	AT+MODGTWYTM=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Time1><Time2><CR><LF>
Remark	Port (port number): 1~8 Time1: Instruction storage time (1-255 seconds) Time2: Automatic query interval time (1-65535 milliseconds)

Inquire:

Send: AT+MODGTWYTM=1\r\n

Received:\r\n+OK=1,10,200\r\n

set up:

Send: AT+MODGTWYTM=1,5,100\r\n

Received:\r\n+OK\r\n

## 2.5 Query and edit of pre-stored commands of Modbus configuration gateway

Command	AT+MODCMDDEDIT
Function	Query and edit of pre-stored commands of Modbus configuration gateway
Send(Query)	AT+MODCMDDEDIT=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Mode><CMD><CR><LF>
Remark	Port (port number): 1~8 Mode: ADD add command;

	DEL delete instruction; CLR clear command; CMD: Modbus command (only supports standard Modbus RTU command, no need to fill in the verification, only the function code of read command 01, 02, 03, 04 can be configured), cannot store the same command and return +ERR=-4;
--	---

Inquire:

Send: AT+MODCMDEDIT=1\r\n

Received:\r\n+OK\r\n

1: 02 03 00 00 00 02\r\n

2: 01 03 00 05 00 00\r\n

set up:

Send: AT+MODCMDEDIT=1,ADD,0103000A0003\r\n(Add command)

Received:\r\n+OK\r\n

Send: AT+MODCMDEDIT=1,DEL,0103000A0003\r\n(Delete command)

Received:\r\n+OK\r\n

Send: AT+MODCMDEDIT=1,CLR,0103000A0003\r\n(Clear command)

Received:\r\n+OK\r\n

### 3. "Internet of Things Functions" AT Command Set

#### 3.1 "Internet of Things Function" Commands

Command	Description
AT+HTPREQMODE	HTTP request method
AT+HTPURL	HTTP URL path
AT+HTPHEAD	HTTP headers
AT+MQTTCLOUD	MQTT platform
AT+MQTKPALIVE	MQTT heartbeat keep-alive period
AT+MQTDEVID	MQTT Client ID
AT+MQTUSER	MQTT User Name
AT+MQTPASS	MQTT Password
AT+MQTTPRDKEY	Alibaba Cloud Product Key
AT+MQTSUB	MQTT subscription topic
AT+MQTPUB	MQTT publish topic

#### 3.2 MQTT and HTTP target IP or domain name configuration

Refer to "Query/Set the Working Mode of the Machine and the Network Parameters of the Target Device".

Set the MQTT mode and target parameters:

Send: AT+SOCK=1,MQTTC, mqtt.heclouds.com,6002\r\n



Received:\r\n+OK\r\n

Set the HTTP mode and target parameters:

Send: AT+SOCK=1,HTTPC,www.baidu.com,80\r\n

Received:\r\n+OK\r\n

### 3.3 Query/Set HTTP Request Method

Command	AT+HTPREQMODE
Function	Query and set the HTTP client mode request method
Send(Query)	AT+HTPREQMODE=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Method><CR><LF>
Send (Set)	AT+HTPREQMODE=<Port><Method><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 Method: GET\POST

#### 【Example】

Inquire:

Send: AT+HTPREQMODE=1\r\n

Received:\r\n+OK=1,GET\r\n

set up:

Send: AT+HTPREQMODE=1,POST\r\n

Received:\r\n+OK\r\n

### 3.4 Query/Set HTTP URL Path

Command	AT+HTPURL
Function	Query, set HTTP URL path
Send(Query)	AT+HTPURL=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Path><CR><LF>
Send (Set)	AT+HTPURL=<Port><Path><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 Path: HTTP request URL resource address (length limit 0-128 characters)

#### 【Example】

Inquire:

Send: AT+HTPURL=1\r\n

Received: \r\n+OK=1,/1.php?\r\n

set up:

Send: AT+HTPURL=1,/view/ed7e65a90408763231126edb6f1aff00bfd57061.html\r\n

Received:\r\n+OK\r\n

### 3.5 Query and set HTTP headers

Command	AT+HTPHEAD
Function	Query and set HTTP headers
Send(Query)	AT+HTPHEAD=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Para>,<Head><CR><LF>
Send (Set)	AT+HTPHEAD=<Port><Para>,<Head><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 Para (HTTP returns serial port data with header): DEL: without header; ADD: with Baotou; Head (HTTP request header): The length is limited to 128 characters;

#### 【Example】

Inquire:

Send: AT+HTPHEAD=1\r\n

Received:\r\n+OK=1,DEL,User-Agent: Mozilla/5.0\r\n

set up:

Send: AT+HTPHEAD=1,ADD, Host:www.ebyte.com\r\n

Received:\r\n+OK\r\n

### 3.6 Query/Set MQTT Target Platform

Command	AT+MQTTCLOUD
Function	Query/Set MQTT Target Platform
Send(Query)	AT+MQTTCLOUD=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Server><CR><LF>
Send (Set)	AT+MQTTCLOUD=<Port><Server><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 Server (MQTT target platform): STANDARD (MQTT3.1.1 standard protocol server) ONENET (OneNET-MQTT server) ALI (Alibaba Cloud MQTT server) BAIDU (Baidu Cloud MQTT Server)

	HUAWEI (Huawei Cloud MQTT Server)
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**【Example】**

Inquire:

Send: AT+MQTTCLOUD=1\r\n

Received:\r\n+OK=1,STANDARD\r\n

set up:

Send: AT+MQTTCLOUD=1,BAIDU\r\n

Received:\r\n+OK\r\n

### 3.7 Query/Set MQTT Keep-Alive Heartbeat Packet Sending Period

Command	AT+MQTKPALIVE
Function	Query/Set MQTT Keep-Alive Heartbeat Packet Sending Period
Send(Query)	AT+MQTKPALIVE=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Time><CR><LF>
Send (Set)	AT+MQTKPALIVE=<Port><Time><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 Time: MQTT keep-alive heartbeat time (limit 30-1200 seconds, default 120s, modification is not recommended);

**【Example】**

Inquire:

Send: AT+MQTKPALIVE=1\r\n

Received:\r\n+OK=1,120\r\n

set up:

Send: AT+MQTKPALIVE=1,30\r\n

Received:\r\n+OK\r\n

### 3.8 Query/Set MQTT Device Name (Client ID)

Command	AT+MQTDEVID
Function	Query/Set MQTT Device Name (Client ID)
Send(Query)	AT+MQTDEVID=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Client ID><CR><LF>
Send (Set)	AT+MQTDEVID=<Port><Client ID><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 Client ID: MQTT device name (Client ID) is limited to 128 characters in length;

**【Example】**

Inquire:

Send: AT+MQTDEVID=1\r\n

Received:\r\n+OK=1,test-1\r\n

set up:

Send: AT+MQTDEVID=1,6164028686b027ddb5176\_NA111-TEST\r\n

Received:\r\n+OK\r\n

### 3.9 Query/Set MQTT User Name

Command	AT+MQTUSER
Function	Query/Set MQTT User Name
Send(Query)	AT+MQTUSER=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><User Name><CR><LF>
Send (Set)	AT+MQTUSER=<Port><User Name><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 User Name: MQTT product ID (User Name/ device name) has a limited length of 128 characters;

**【Example】**

Inquire:

Send: AT+MQTUSER=1\r\n

Received:\r\n+OK=1,ebyte-IOT\r\n

set up:

Send: AT+MQTUSER=1,12345678&amp;a1Ofdo5l0\r\n

Received:\r\n+OK\r\n

### 3.10 Query/set MQTT product password (MQTT password/Device Secret)

Command	AT+MQTPASS
Function	Query/set MQTT product password (MQTT password/Device Secret)
Send(Query)	AT+MQTPASS=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Password><CR><LF>
Send (Set)	AT+MQTPASS=<Port><Password><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 Password: MQTT login password (MQTT Password/Device Secret) has a length limit of 128 characters;

**【Example】**

Inquire:

Send: AT+MQTPASS=1\r\n

Received:\r\n+OK=1,12345678\r\n

set up:

Send: AT+MQTPASS=1,87654321\r\n

Received:\r\n+OK\r\n

### 3.11 Query/Set the Product Key of Alibaba Cloud MQTT

Command	AT+MQTTPRDKEY
Function	Query/Set the Product Key of Alibaba Cloud MQTT
Send(Query)	AT+MQTTPRDKEY=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Product Key><CR><LF>
Send (Set)	AT+MQTTPRDKEY=<Port><Product Key><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 Product Key: Product Key of Alibaba Cloud (limited to 64 characters)

#### 【Example】

Inquire:

Send: AT+MQTTPRDKEY=1\r\n

Received:\r\n+OK=1,user ProductKey\r\n

set up:

Send: AT+MQTTPRDKEY=1,a1HEeOIqVHU\r\n

Received:\r\n+OK\r\n

### 3.12 Query/Set MQTT Subscription Topic

Command	AT+MQTSUB
Function	Query/Set MQTT Subscription Topic
Send(Query)	AT+MQTSUB=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Qos>,<Topic><CR><LF>
Send (Set)	AT+MQTSUB=<Port><Qos>,<Topic><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 Qos: only supports level 0, 1; Topic: MQTT subscription topic (limited to 128 characters in length)

#### 【Example】

Inquire:

Send: AT+MQTSUB=1\r\n

Received: \r\n+OK= 1,0,topic \r\n

set up:

Send: AT+MQTSUB=1,0,/ggip6zWo8of/NA111-TEST/user/SUB\r\n

Received:\r\n+OK\r\n

### 3.13 Query/Set MQTT Publishing Topic

Command	AT+MQTPUB
Function	Query/Set MQTT Publishing Topic
Send(Query)	AT+MQTPUB=<Port><CR><LF>
Return(Query)	<CR><LF>+OK=<Port><Qos>,<Topic><CR><LF>
Send (Set)	AT+MQTPUB=<Port><Qos>,<Topic><CR><LF>
Return(Set)	<CR><LF>+OK<CR><LF>
Remark	Port (port number): 1~8 Qos: only supports level 0, 1; Topic: MQTT publish topic (limited to 128 characters in length)

#### 【Example】

Inquire:

Send: AT+MQTPUB=1\r\n

Received:\r\n+OK=1,0,topic \r\n

set up:

Send: AT+MQTPUB=1, 0,/ggip6zWo8of/NA111-TEST/user/PUB\r\n

Received:\r\n+OK\r\n

## Revision history

Version	Date	Description	Maintainer
1.0	2022-07-08	Initial version	LC

## About us

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