

Multi-function card MF630 central control command

(V1.00 2019-08-13)

1. For the central control function of the multi-function card, a custom AT command is used to communicate, and the USB to serial port connection is used.
2. All AT commands are in ASCII format, which can be directly input by using the serial port debugging assistant.
3. Custom AT command format: AT+command=parameter#, add # after the command to indicate the end mark, all characters are uppercase, lowercase is not supported; no spaces are left between characters; note that # is omitted for convenience.
4. When the central control sends an AT command to the multi-function card, the multi-function card will enter the central control control mode, and the power management function of the host computer will no longer be effective in this mode; if the central control sends the EXIT command, the multi-function card will exit the central control control mode. Or the detection time will automatically exit the next day.
5. AT command definition

Set up the relay command:

- (1) To set up a single relay: AT+CHx=x

The first x represents the number of relays, ranging from 1 to 8; the second x represents the relay setting variable, '0' means disconnecting the relay, '1' means closing the relay, and other values are invalid.

For example, sending the command AT+CH1=1 means setting the first relay to be closed, and the same is true for others.

Multifunction card returns:

Set success: AT+CHx=OK

Set fail: AT_CHx=ERROR

- (2) Read single relay status: AT+CHx=?

Read the current state of the xth relay

Multi-function card returns:

AT+CHx=1 : The xth relay is on

AT+CHx=0 : The xth relay is off

- (3) Set up multiple relays: AT+CHA=x,x,x,x,x,x,x,x

This command can set 8 relays at the same time, the first x means the first relay; x means the relay setting variable, '0' means open the relay, '1' means close the relay, '/' means do not operate the relay, Other values are invalid.

For example, if you need to set the 1st and 2nd relays to be closed and the 5th and 6th relays to be open, you need to send the command "AT+CHA=1,1,/,/,0,0,/,/##"

Multi-function card returns:

Set success: AT+CHA=OK

Set fail: AT_CHA=ERROR

- (4) Read multiple relay status: AT+CHA=?

This command can read 8 relay status values at the same time

Multi-function card back: AT+CHA=x,x,x,x,x,x,x,x

x value is 0 or 1, 0 means the relay is open, 1 means the relay is closed

- (5) Exit the central control mode: AT+EXIT

Sending this command, the multi-function card can exit the central control mode.