

1. Description

This demo is used to test MCU enter power down or idle mode by set corresponding bits of PWRCON register or execute relative instruction, and waken up by GPIO interrupt.

2. Test

All the messages will be shown on Hyper-terminal in this demo, at baudrate 115200 bps.

Download and run the demo, user can see two options for user to select to enter either Idle mode or power down mode, user can key in 1 or 2, then the MCU will enter corresponding power save mode, corresponding message for entering which power save mode will be shown on Hyper-terminal, user can wake up the MCU by generating a falling edge at P2.0, and corresponding message for exiting from power save mode will be shown.

Note: if user want to test MCU power down mode, after download code into develop board, the user must firstly power off the development board and then power on it again.