

# How to Enable Power Saving Functionality in Wi-Fi driver

If you would like to configure various Power Saving Function in Wi-Fi driver, you can follow as below instructions manual before compiling Wi-Fi driver.

## I Main Power Saving Function

- Enable Main Power Saving Function: According to the configuration of IPS, LPS and WOWLAN LPS Function to set various power saving mode.

Set CONFIG\_POWER\_SAVING to "y" in Makefile as example.

e.g. **CONFIG\_POWER\_SAVING = y**

- Disable Main Power Saving Function: Close IPS, LPS and WOWLAN LPS Function.

Set CONFIG\_POWER\_SAVING to "n" in Makefile as example.

e.g. **CONFIG\_POWER\_SAVING = n**

※ The IPS, LPS, WOWLAN LPS functions are supported after v5.8 driver.

## I IPS (Inactive Power Saving) Function

- If the state of Wi-Fi driver is inactive when Wi-Fi connection is not established, enable the IPS function will reduce power consumption.
- The CONFIG\_IPS\_MODE in Makefile is used for setting IPS mode that will be defined as follow:
  - default: Setting by driver
  - 0: Disable IPS
  - 1: Enable IPS

## I LPS (Leisure Power Saving) Function

- If Wi-Fi driver is stayed in idle or low traffic after Wi-Fi connection finished, enable the LPS function will reduce power consumption.
- The CONFIG\_LPS\_MODE in Makefile is used for setting LPS mode that will be defined as follow:
  - default: Setting by driver
  - 0: Disable LPS
  - 1: Enable LPS
  - 2: Enable LPS with clock gating

## I WOWLAN LPS Function

- Enable the WOWLAN LPS function will reduce power consumption when Wi-Fi driver is in WOWLAN mode.
- The CONFIG\_WOW\_LPS\_MODE in Makefile is used for setting WOWLAN LPS mode that will be defined as follow:
  - default: Setting by driver
  - 0: Disable WOWLAN LPS
  - 1: Enable WOWLAN LPS
  - 2: Enable WOWLAN LPS with clock gating