

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.

- 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.
- 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
- 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

- 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