Advantech AE Technical Share Document

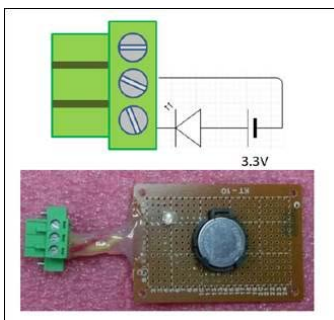| Date	2018 / 12 / 27	SR#	1-3971474481
Category	□FAQ■SOP	Related OS	N/A
Abstract	How to test the relay function?		
Keyword	Dual power, BIOS, iManager, relay		
Related Product	UNO-3283G, UNO-3285G		

- **Problem Description:**

  This SOP explains how to use the relay port function.

- **Problem Analysis:**

  UNO-3283G & UNO-3285G have designed the relay port for the user monitoring the onboard dual power health.

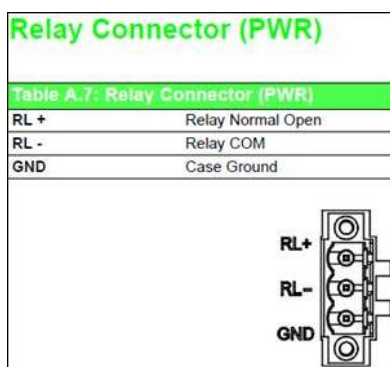 To connect a LED diode with external power as below.

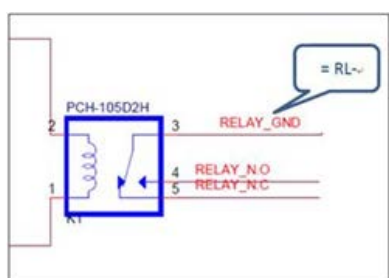 The circuit is connected to the pins RL+ and RL-.(Image 1)

    "RL-" is shorten to "Relay_GND" as (Image 2)

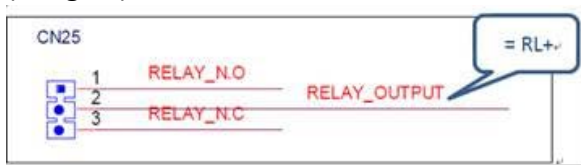   "RL+" is shorten to "Relay_Output" (Image 3)
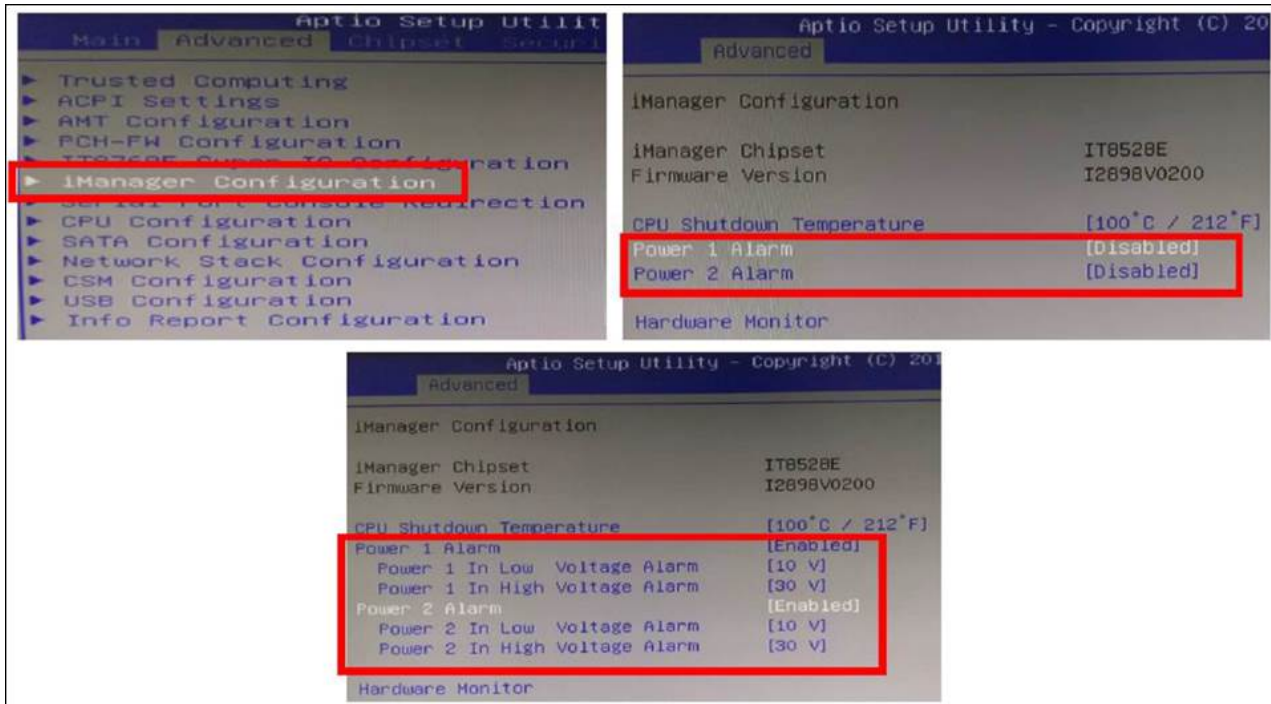
(Image 1)

(Image 2)

(Image 3)

■ **Brief Solution - Step by Step:**

1. Set it in BIOS: Advanced→iManager configuration→power alarm (set the high low voltage the user need) (Image 4)
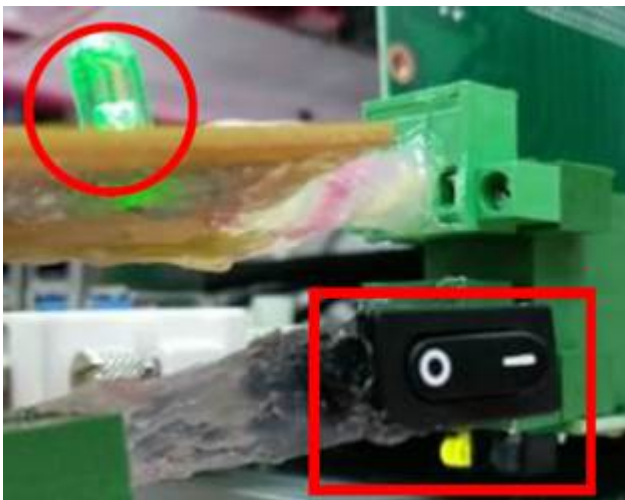

2. Connect the tool in figure1 to relay ports (RL- & RL+)
3. The LED diode switches its status after connecting UNO's DC power.

If the LED lights up before powering UNO up, then LED will lights off after powering UNO up.(fig.5-fig.6)And vice versa.

(Image 5) DC power unplugged.

(Image 6) Plug the DC power

■ **Contact Window and File Link:**

If you have any questions, please contact Jerry.Cheng@advantech.com.tw