

Enabling an Intelligent Planet

Data Create	2015/05/28	Release Note	□ Internal ■ External
Category	FAQ	Product	IAG
		Group	
Function	BIOS	Related OS	NA
Related	UNO-3083/85G		
Product	UNO-3063/65G		

## [Abstract]

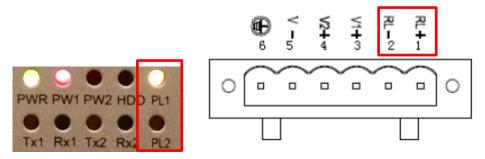
UNO-3083/85G's Relay alarm (RL-, RL+) and LED indicator can let user set different trigger condition. If the trigger condition is achieved and UNO is running, the status of Relay and LED will change.

## [Solution] Stage 1: Setting in BIOS

- 1. Go to BIOS>Advanced>Health Nurse.
  - A. You can see USER LED1, USER LED2, Relay alarm output(RL-, RL+).

Advanced	Copyright (C) 2010
Health Nurse	
Power1 Input Low Voltage	[10 V]
Power1 Input High Voltage	[28 V]
Power2 Input Low Voltage	[10 V]
Power2 Input High Voltage	[28 V]
PCIE/PCI slot High Temperature	[80 C]
PCIE/PCI High Temperature Protect	[Disabled]
System Fan Control	[5 C]
CPU High Temperature	[95 C]
CPU High Temperature Protect	[Disabled]
Maximum input Power Consumption	[120W]
▶ USER LED1	
▶ USER LED2	
▶ Relay alarm output	

- B. USER LED1 and USER LED2 mean PL1 and PL2 on the chassis.
- C. Relay alarm output means pins near power input.



2. User can set different trigger condition. If the trigger condition is met



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and UNO is running, Relay status(RL-, RL+) will change from <u>normal</u> <u>open</u> to <u>normal close</u>.

Relay alarm output Settings	
Programmable	[Disabled]
Fan Error	[Disabled]
Battery Error	[Disabled]
PCI/PCIE slot high temperature	[Disabled]
Power1 failure	[Enabled]
Power2 failure	[Disabled]
CPU High Temperature	[Disabled]
Over Power Consumption	[Disabled]

## Stage 2: Validation

- 1. We set Power1 failure as trigger condition of Relay alarm. And Relay alarm state as trigger condition of USER LED1.
- 2. Deliver power input only through V2+ and V-.
- 3. Then, we can see Relay output(R+; R-) state change from "open" to "close". Also, PL1 will light up.

USER LED1 Settings		
Programmable	[Disabled]	
Fan Error	[Disabled]	
Battery Error	[Disabled]	
PCIE mini card 1 WLAN/WWAN/WPAN	[Disabled]	
Relay alarm state	[Enabled]	
PCI/PCIE slot high temperature	[Disabled]	PWR PV
CPU High Temperature	[Disabled]	
Over Power Consumption	[Disabled]	Tx1 R

PW2 HDD PL1

Tx2 Rx2 PL2