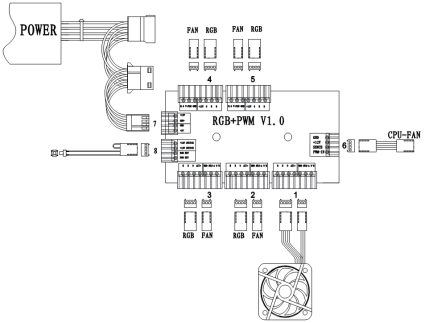
The installation instruction of RGB+PWM control board and the testing method



Demonstration about the design of the switch color:

1. If the PWM cable's connector is connected with the RGB interface, the computer will reset.
2. If the PWM cable's connector is connected with the On/OFF fan interface, the IC of Controller PCB will be destroyed.
3. If the On/OFF switch connector is connected with the PWM interface, no function, but no damaged Controller PCB
4. If the On/OFF switch connector is connected with the RGB interface, the color of the RGB light will change, but the control board won't be destroyed.
5. If the RGB switch connector is connected with the On/OFF fan interface, the control board won't be destroyed.
6. If the RGB switch connector is connected with the PWM interface, the control board won't be destroyed.

In order to prevent misplugging, we designed the plug as follows:

1. The 3+4P of 1/2/3/4/5 (FAN+RGB) plug is black.
2. The 6 (PWM) plug is cream-colored.
3. The 7 (Power Supply) is white.
4. The 8 (key) is black.

RGB-PWM Control panel interface definition

1. 1/2/3/4/5 for 3+4P(2.54) interface, the 3P for fan(same as normal fan 3pin), the 4P for RGB color light.
2. The RGB interface of 1/2/3/4/5 can be used to connect RGB of fan or RGB strip.
3. 6 for the motherboard CPU-FAN port connection interface, that is,the PWM input signal interface
4. 7 for the power suply FDD interface
5. 8 for RGB color control interface ,can control light color conversion

RGB Lamp function description

1. Power on the initial state of the lights off
2. Short press the button light from(white),and then every time, the color of the light conversion once(order: white ,blue, yellow, red ,green,orange,purple,breath, flashing a total of 9 models)
3. Breathing pattern description:light from the light to 2 seconds, and then from light to dark 2 seconds,the color from white to start, in accordance with the white ,blue,yellow, red, green,orange,purple sequential non-stop cycle.Press a button again to enter the blinking model
4. Flashing model description: lamp to 4HZ frequency of 2 seconds after switching the color , in accordance with the white, blue, yellow, red ,green,orange,purple sequential non-stop cycle.Press a button to enter the white light often bright mode
5. In any mode, press the button for 3 seconds, Press the button again to enter the white light normallly bright model ,according to this cycle

Fan control function description

Before PCB board being installed , CPU-FAN should be connected with CHA-FAN and CMOS is set into not to check CPU-FAN.