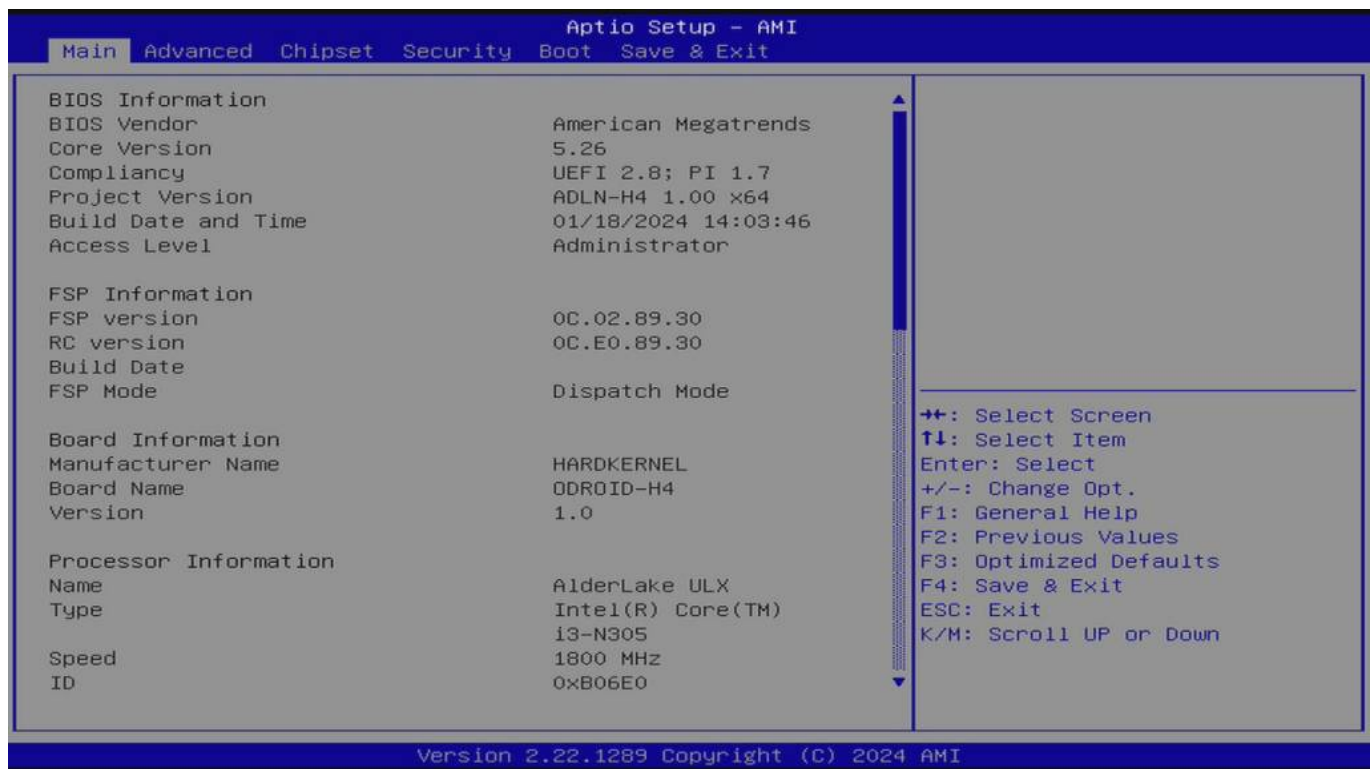


How to control the PWM Fan on ODROID-H4

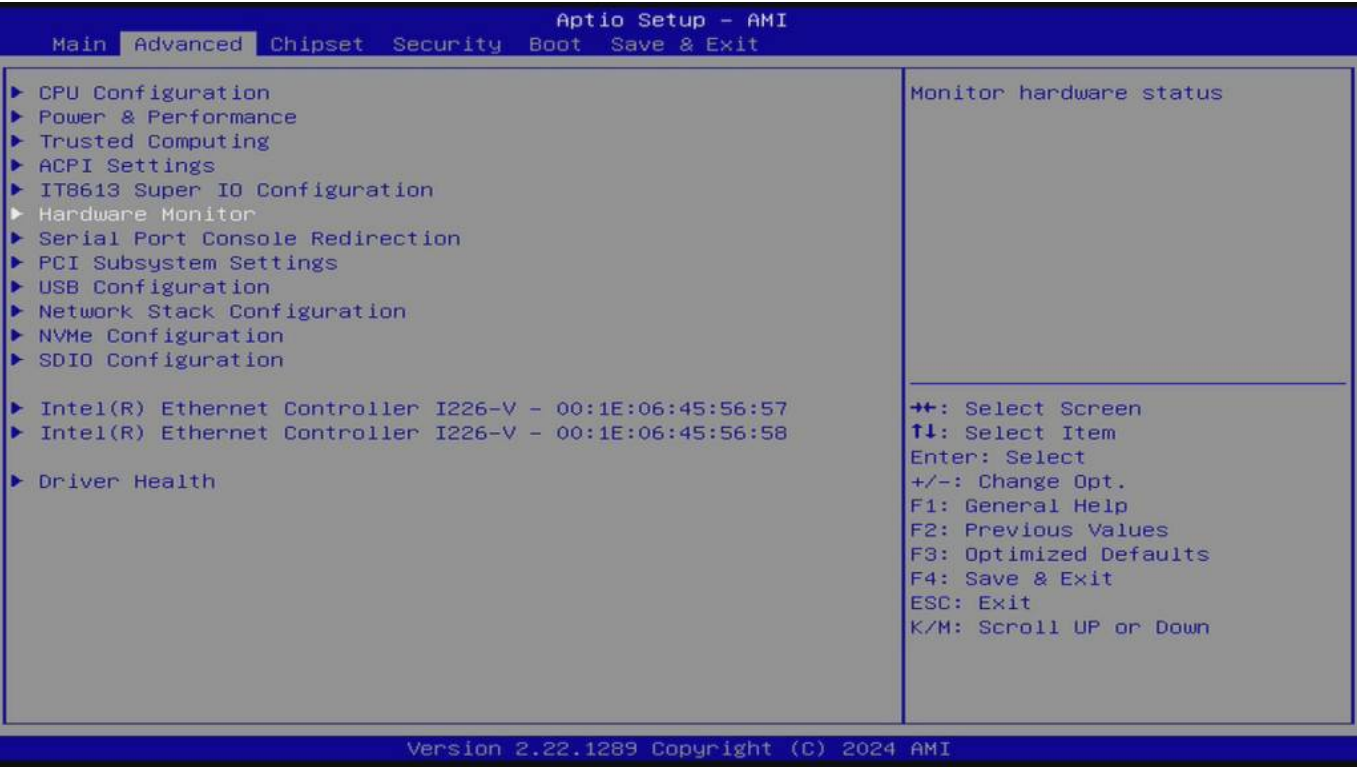
There's how-to wiki of the FAN control depending on CPU temperature. Go link to [the wiki](#).
In this wiki, Will guide you to control FAN by the setting PWM value in BIOS setup.

Enter the BIOS

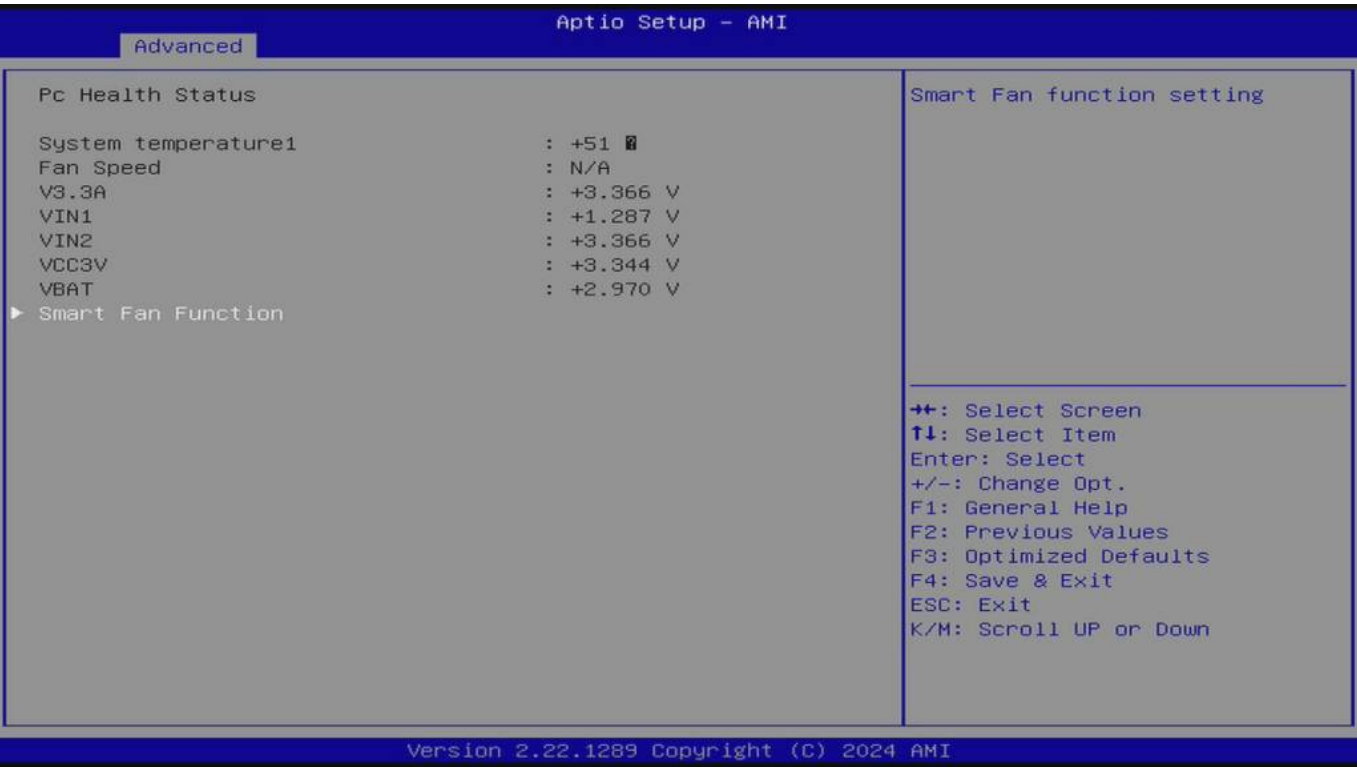
1. Power off your **ODROID-H4**.
2. Press the Power button on your **ODROID-H4**, then Press "DEL" key while booting.
3. You can see the pic as follow.



Move to Advanced -> Hardware Monitor



Monitor Fan speed



Move to Smart Fan Function -> Fan Setting



Modify the temperatures and PWM(RPM) to you want

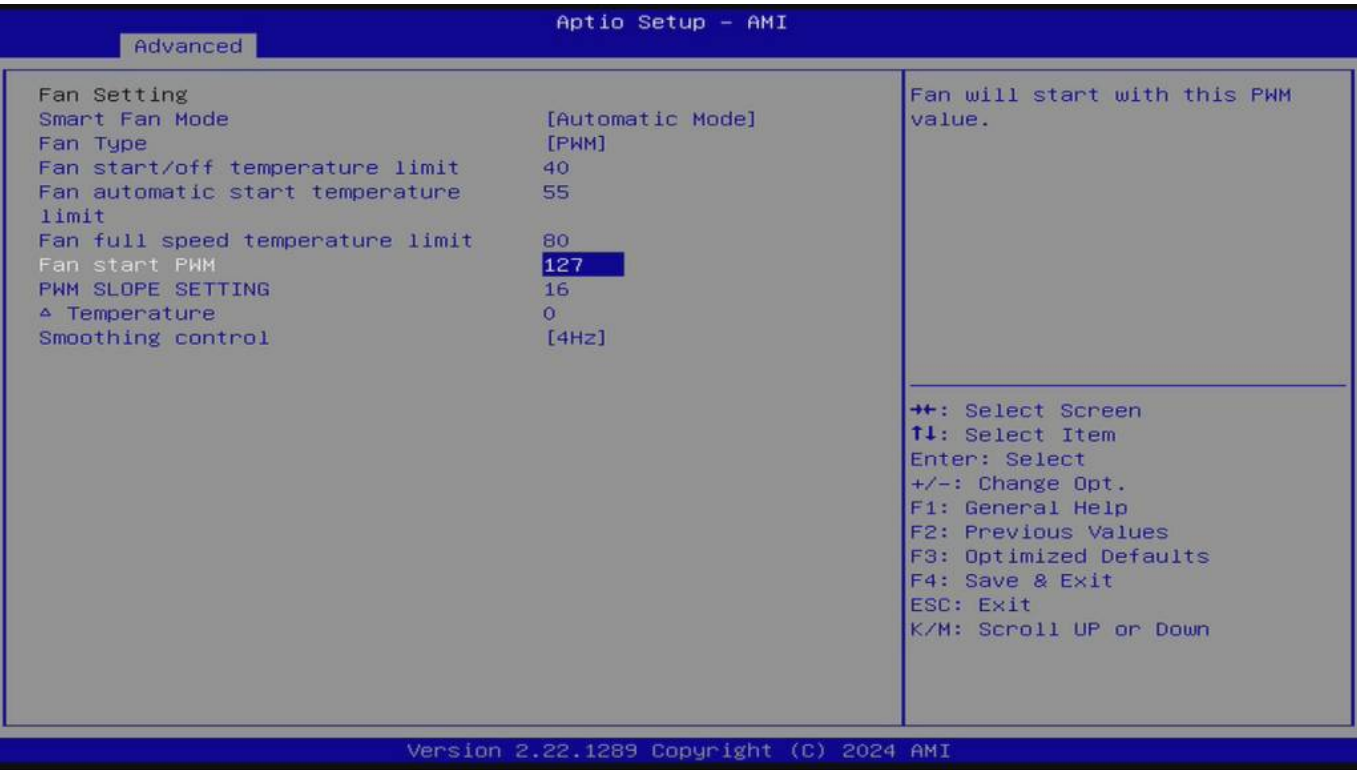
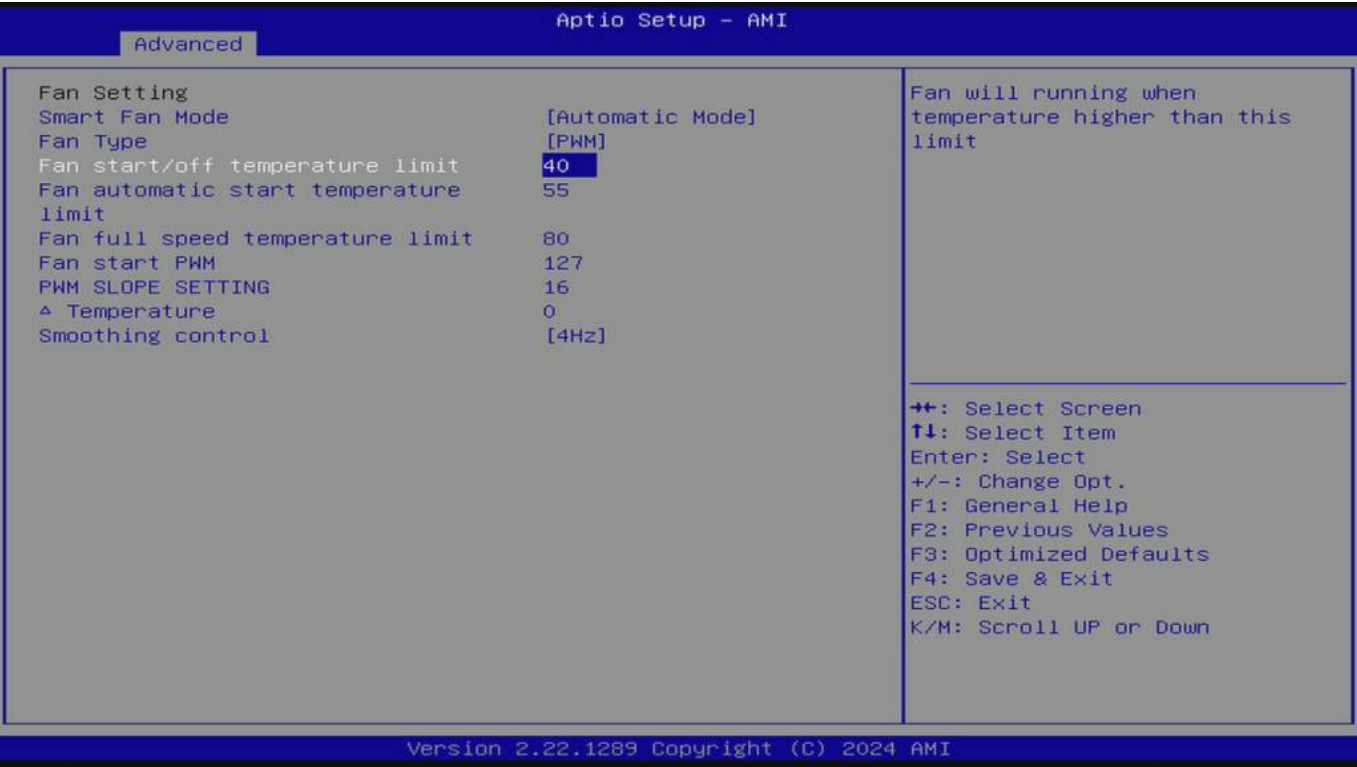
You can adjust the CPU temperature level to turn on / off the system FAN automatically. And you can also adjust the Fan's speed with PWM.

The maximum PWM value that you can set is 255 in BIOS but the maximum RPM of the Hardkernel official PWM Fan is 2000.

The middle PWM value 127 is about 1000 RPM when converted to Fan's speed.

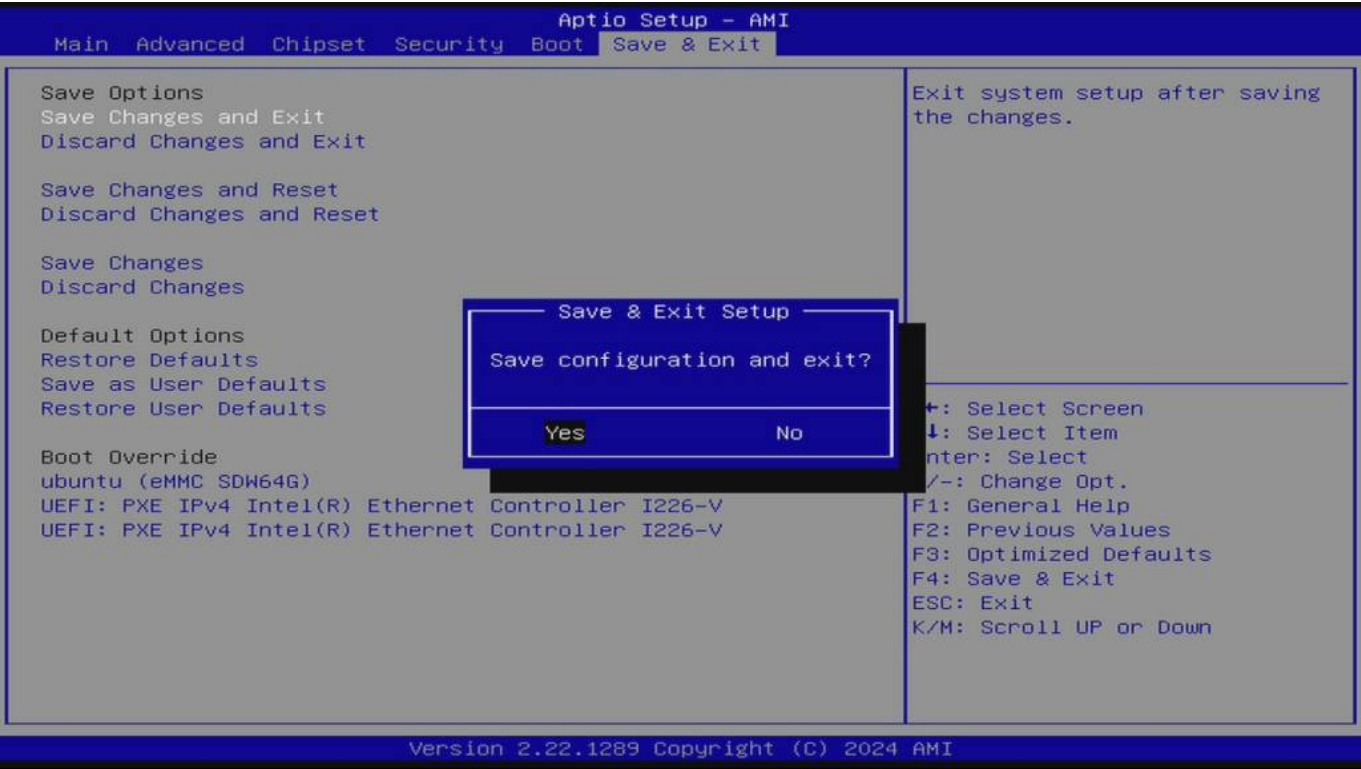
<https://www.hardkernel.com/shop/92x92x25mm-dc-cooling-fan-w-pwm-speed-sensor-tacho/>

Note that the temperature values are the CPU package temperature.



Save & exit the BIOS

Move to the Save & Exit tab. And then, select the “Save Changes and Exit” menu.



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Permanent link:
https://wiki.odroid.com/odroid-h4/hardware/pwm_fan

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