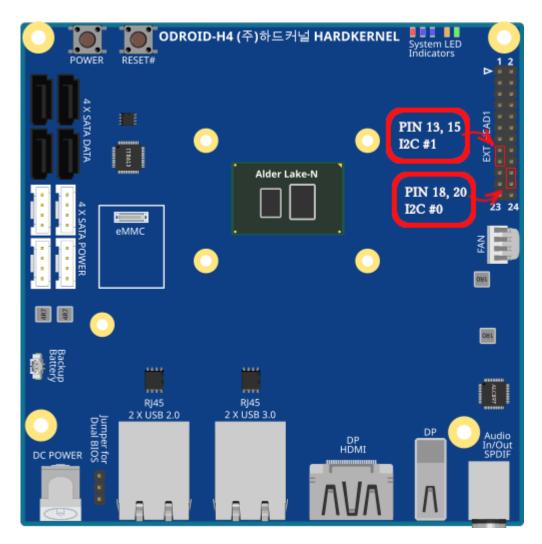
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I2C



Pin#	Pin Label	dev node
18	I2C_0_SCL	/dov/52c 0
20	I2C_0_SDA	/dev/i2c-0
13	I2C_1_SCL	/dov/i2c 2
15	I2C_1_SDA	/dev/i2c-2



This examples have written based on under the Ubuntu 22.04 and Linux kernel 6.5.0-14-generic

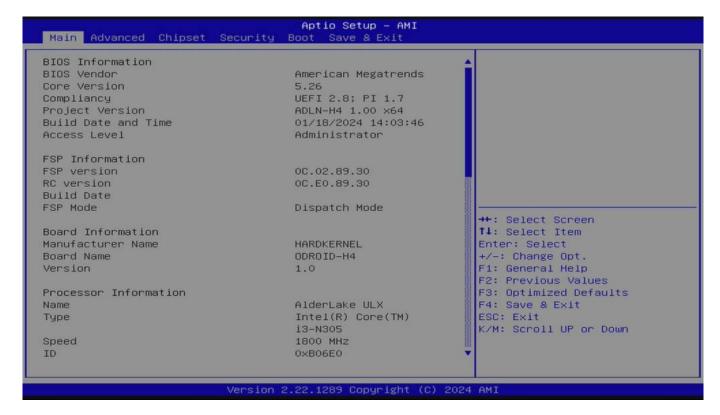
How to change I2C speed on BIOS

The default I2C speed is 400kHz. If you want to change the speed to 100kHz, 400kHz, 1MHz and 3.4MHz. first you should enter the BIOS.

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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 "Chipset->PCH-IO Configuration->SerialIO Configuration"



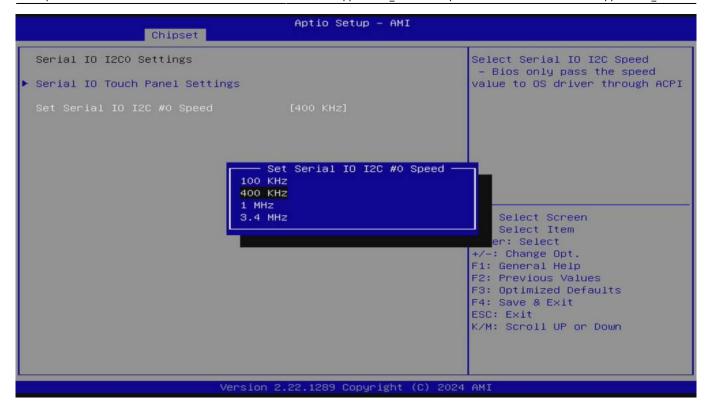
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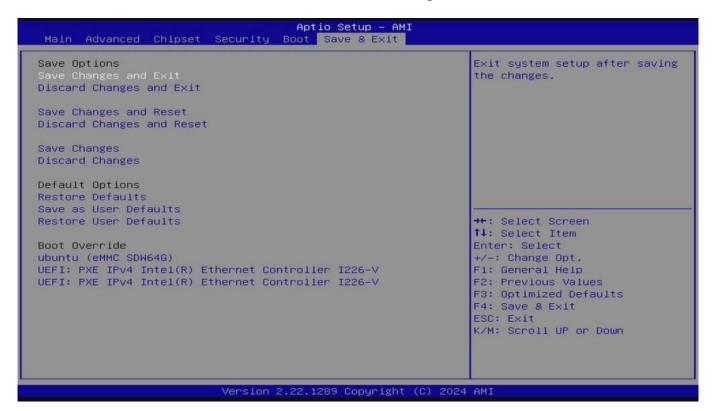


Change the I2C speed what you want



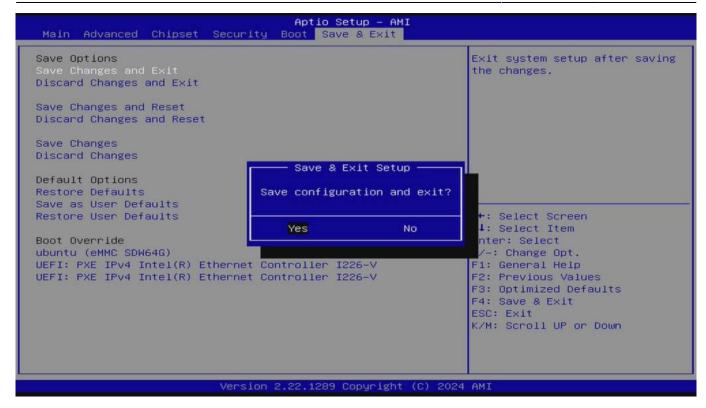
Save & exit the BIOS

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



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How to find I2C slave address of devices on Ubuntu

This instruction was tested on Ubuntu 22.04 on Kernel 6.5.0-14-generic

Install package

```
sudo apt install i2c-tools
```

Find your device's address with "i2cdetect".

```
sudo i2cdetect -y -r [0 or 1 or 2]
```

If you wired your device to pin #18 and #20, then you can find the device's address with the following command.

Otherwise, if you connect to pin #13 and #15, you can find the address with this command.

odro	id@	odr	oio	d:~\$	s sı	obu	i20	cdet	cect	: - <u>y</u>	/ - t	^ 2				
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00:																
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