

Enable NanoPC T3 Plus serial ports:

Changing hardware settings with DTC:

- 1- Install DTC (if not installed):

```
sudo apt-get install device-tree-compiler
```

- 2- Create a backup file in case of an error:

```
sudo cp /boot/dtb/(your DTB file name).dtb /boot/dtb/(your DTB file name).bak
```

- 3- Convert the dtb binary file to an editable dts text file:

```
sudo dtc -b 0 -O dts -I dtb -o (your DTB file name).dts (your DTB file name).dtb
```

- 4- Edit what we need in the dts file:

```
sudo nano sun8i-h3-orangepi-pc.dts
```

- 5- You should go to `serial0:serial@c00a1000` (line 258) and instead status from “disabled” to “okay” to activate serial 0 and so on.

- 6- Convert the edited dts file to binary dtb format:

```
sudo dtc -b 0 -O dtb -I dts -o (your DTB file name).dtb (your DTB file name).dts
```

- 7- Restart the system for the changes to take effect:

```
sudo reboot
```

Documented by:

anaseng92@gmail.com

Eng. Anas Abo Hyleh

mhd.hassan92@gmail.com

Eng. Mohammad Hassan