

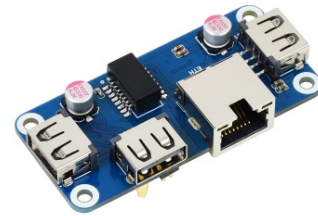
Introduction

Ethernet / USB HUB HAT (B) for Raspberry Pi Series, 1x RJ45, 3x USB 2.0

[More](#)

Pinout

ETH/USB HUB HAT (B)



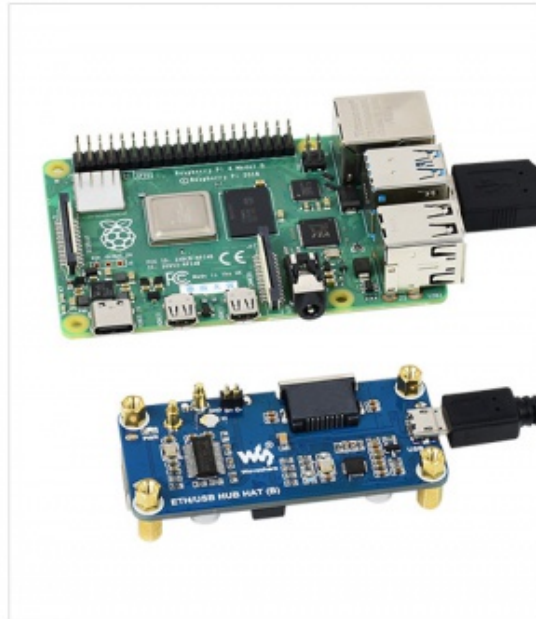
ETH-USB-HUB-BOX



- The LEDs turn on if USB ports are enumerated successfully.

Hardware connection

- To use Raspberry Pi Zero, the HUB HAT works with ejector pins.
- To use with other Raspberry Pi, the HUB HAT should be connected with a USB cable.



Resources

Documentation

- [Schematic](#)
- [ETH-USB-HUB-BOX Assembly](#)

Software

- [CP2102 Driver](#)

3D Drawing

- [Step file for USB HUB HAT \(B\)](#)

FAQ

Question:The Raspberry Pi does not recognize the USB device

Answer:

- Connect the USB HUT interface to the computer with a USB cable to see if the computer can recognize the USB HUB. If the module can be recognized it should work fine. Check whether the USB connector or the ejector pins are in poor contact.
- In addition, if the USB port of the Raspberry Pi ZERO is set to a wired network card, the USB HUB will not be recognized:
- Add the following command to the config.txt file:

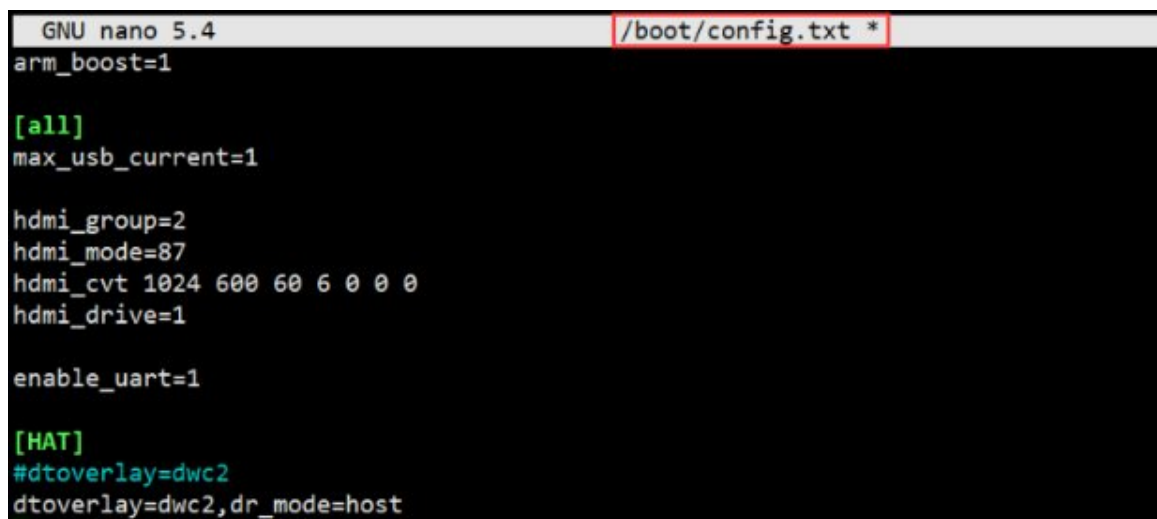
```
sudo nano /boot/config.txt
dtoverlay=dwc2,dr_mode=host
```

- Remove the following commands in the cmdline.txt file (if not configured, please ignore):

```
sudo nano /boot/cmdline.txt
delete module-load=dwc2,g_ether
```

- Reboot the raspberry pi

```
sudo reboot
```



A screenshot of the GNU nano 5.4 text editor showing the contents of the /boot/config.txt file. The file contains several configuration parameters: arm_boost=1, max_usb_current=1, hdmi_group=2, hdmi_mode=87, hdmi_cvt 1024 600 60 6 0 0 0, hdmi_drive=1, enable_uart=1, and a HAT section with #dtoverlay=dwc2 and dtoverlay=dwc2,dr_mode=host. The file name /boot/config.txt is highlighted in the top right corner.

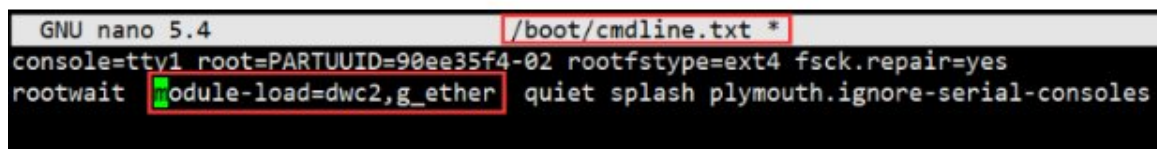
```
GNU nano 5.4 /boot/config.txt *
arm_boost=1

[all]
max_usb_current=1

hdmi_group=2
hdmi_mode=87
hdmi_cvt 1024 600 60 6 0 0 0
hdmi_drive=1

enable_uart=1

[HAT]
#dtoverlay=dwc2
dtoverlay=dwc2,dr_mode=host
```



A screenshot of the GNU nano 5.4 text editor showing the contents of the /boot/cmdline.txt file. The file contains a single line of boot parameters: console=tty1 root=PARTUUID=90ee35f4-02 rootfstype=ext4 fsck.repair=yes rootwait module-load=dwc2,g_ether quiet splash plymouth.ignore-serial- consoles. The parameter module-load=dwc2,g_ether is highlighted in red in the original image. The file name /boot/cmdline.txt is highlighted in the top right corner.

```
GNU nano 5.4 /boot/cmdline.txt *
console=tty1 root=PARTUUID=90ee35f4-02 rootfstype=ext4 fsck.repair=yes
rootwait module-load=dwc2,g_ether quiet splash plymouth.ignore-serial- consoles
```

Support

Technical Support

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