

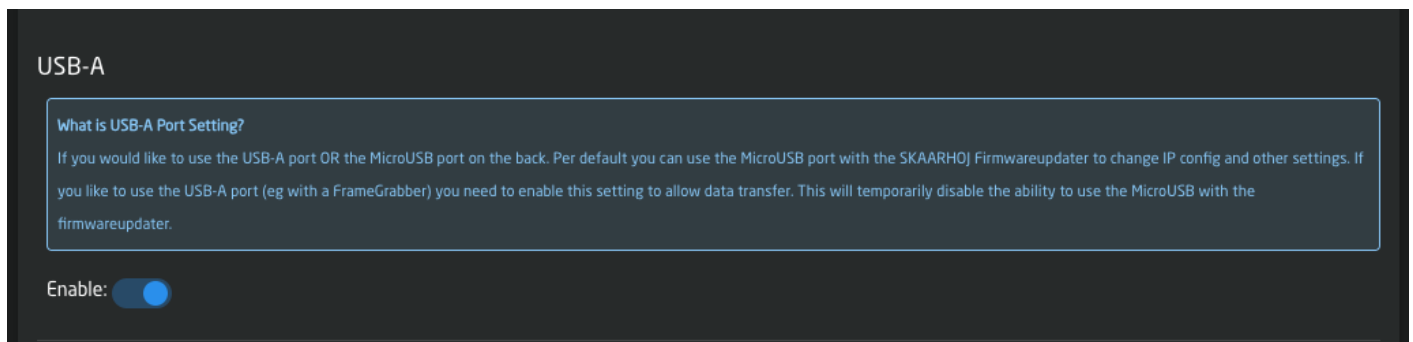
Using a USB Network Adapters or LTE modems

In some circumstances it might be useful to use a secondary network cable on your BluePill or BluePill-Inside Product

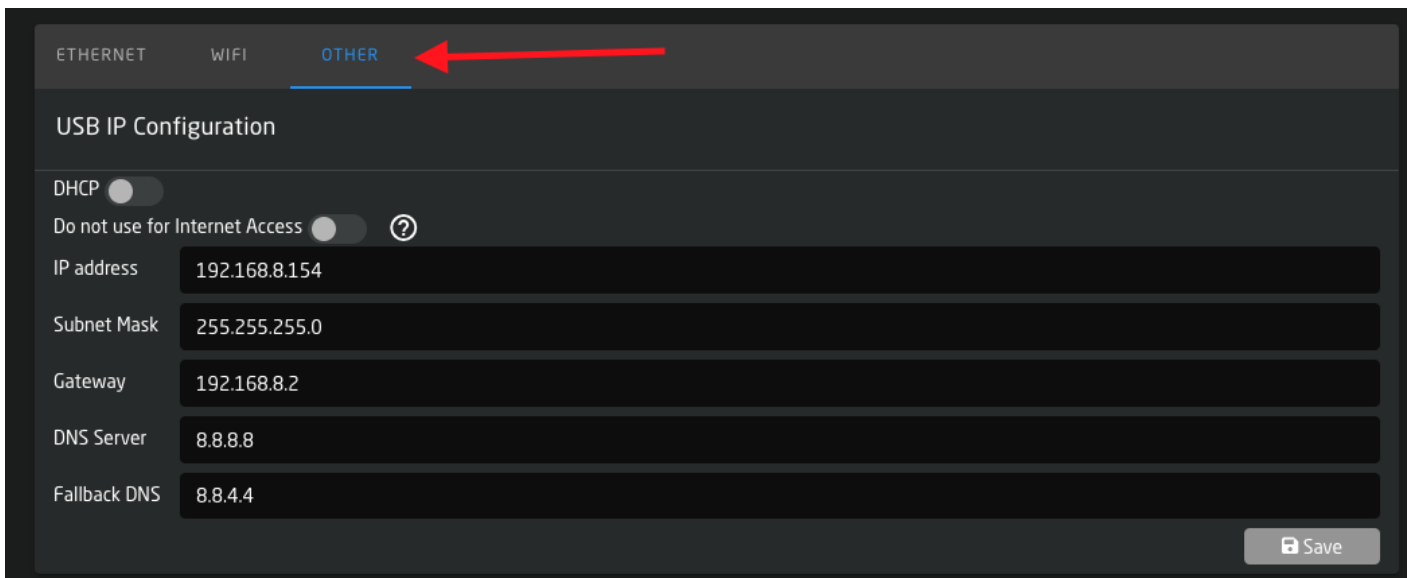
To do that you can use the USBA Port of the device to connect an external network adapters.

Requirements: Make sure you are running **system-manager v1.0.3-pre7** or higher. **skaarOS** should be **1.2-pre5** or higher.

1. Make sure USBA is enabled on your device. Go to the "Settings" tab and change the USBA switch to ON. You might need to reboot your device after toggeling.



2. Plug in a USB to Ethernet Adapter into the devices USBA port and wait about 5 seconds, then refrehs the settings page in your browser. You should now see an "Other" tab in your network settings, that will let you configure the IP settings for the external connection.



ETHERNET WIFI **OTHER**

USB IP Configuration

DHCP ☐

Do not use for Internet Access ☐ ?

IP address 192.168.8.154

Subnet Mask 255.255.255.0

Gateway 192.168.8.2

DNS Server 8.8.8.8

Fallback DNS 8.8.4.4

Save

Done ! ☐

Note on Compatible Devices:

Tested Working ☐☐

We have tested this feature with many different ethernet adapters. Most Adapters powered by Realtek will work fine

rtl8153b-2
rtl8153a-4

Tested NOT Working ☐☐

Some rare cases do not work, notably Apple-branded USB-Ethernet Adapters and adapters with the **ASIX AX88179** chipset. (eg pluggable USB3-E1000)

Using LTE Modems

In the same way you are also able to use your device over LTE. The modems you can use should not need too much power and support the native `cdc_ether` linux drivers.



We have tested this with the **Huawei E3372 Modems**. Other modems are not supported at this

time.

Simply connect this modem on the USB A port as well. Select DHCP as network config. The device will usually get a 192.168.8.X IP address from the modem.

Make sure your modem connects to the internet automatically (no sim pin lock or others)

Done! ☐

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