

Find Pico MAC Address

Aug 2026



Introduction

When dealing with Wifi networks, or networks in general, especially if your WIFI has MAC Address filtering enabled, you will need the MAC Address of your Pico(s).

A MAC Address is a 6 part address that looks like so:

- 88:a2:9e:01:49:57

The first three numbers are to identify the manufacturer, the last 3 numbers are for the ID of the device. In a layer 3 network (most networks now) we generally use the IP Address of the device, but in purely Layer 2 networks then the MAC addresses are used.

Getting the Pico MAC Address

As with most things Pico/Network we need a Python script. See an example below:

[| download](#)

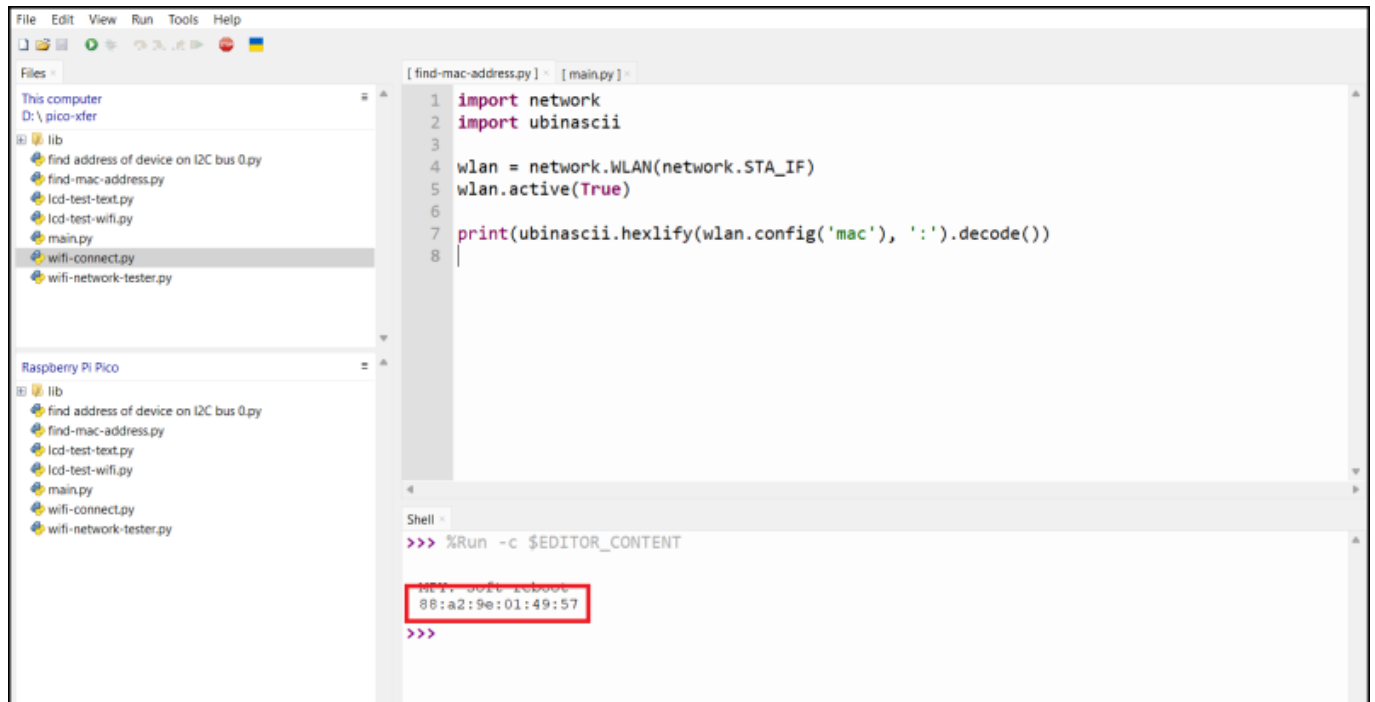
```
import network
import ubinascii

wlan = network.WLAN(network.STA_IF)
wlan.active(True)

print(ubinascii.hexlify(wlan.config('mac'), ':').decode())
```

Save the above code to your Pico as `find-mac-address.py`

When you run the code in Thonny, you will see something similar to below.



```
File Edit View Run Tools Help
Files
This computer
D:\pico-xfer
lib
find address of device on I2C bus 0.py
find-mac-address.py
lcd-test-text.py
lcd-test-wifi.py
main.py
wifi-connect.py
wifi-network-tester.py
Raspberry Pi Pico
lib
find address of device on I2C bus 0.py
find-mac-address.py
lcd-test-text.py
lcd-test-wifi.py
main.py
wifi-connect.py
wifi-network-tester.py
[ find-mac-address.py ] - [ main.py ]
1 import network
2 import ubinascii
3
4 wlan = network.WLAN(network.STA_IF)
5 wlan.active(True)
6
7 print(ubinascii.hexlify(wlan.config('mac'), ':').decode())
8
Shell
>>> %Run -c $EDITOR_CONTENT
RP1: soft reboot
88:a2:9e:01:49:57
>>>
```

As can be seen, the code outputs the Pico MAC Address in to the shell window in Thonny.

From:

<https://wiki.alanwalker.uk/> - WalkerWiki - wiki.alanwalker.uk

Permanent link:

https://wiki.alanwalker.uk/doku.php?id=find_pico_mac_address

Last update: 2026/08/17 18:56

