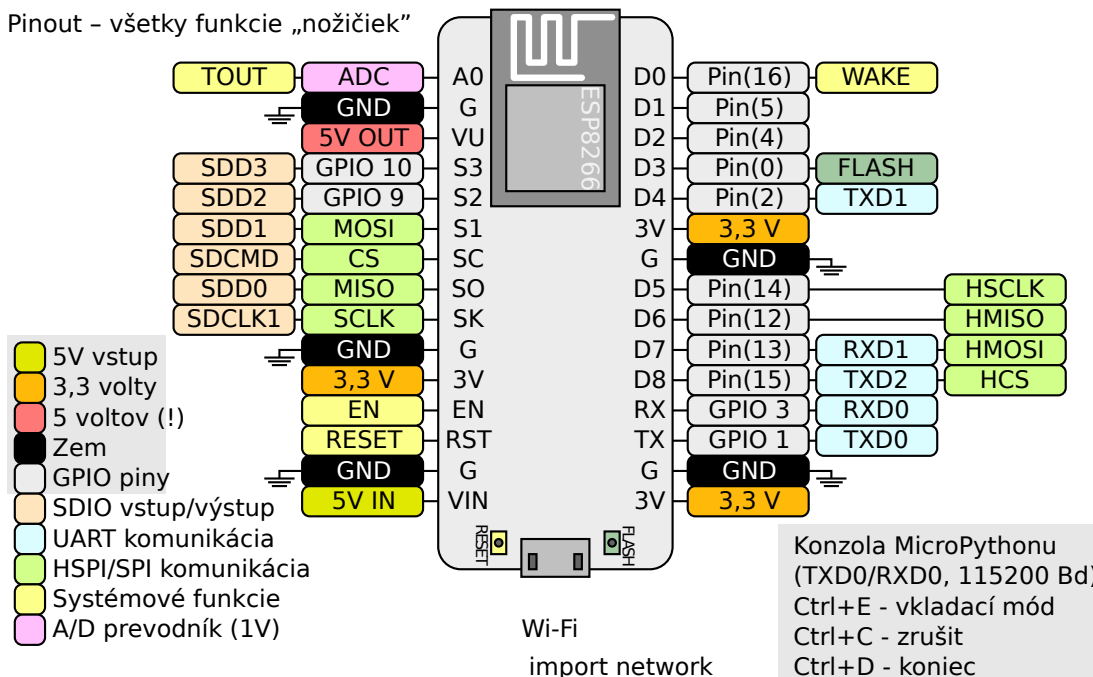


MicroPython na NodeMCU v3 (ESP8266)

Pinout - všetky funkcie „nožičiek“



GPIO - ovládanie „nožičiek“

```
from machine import Pin
pin_citanie = Pin(0, Pin.IN)
hodnota = pin_citanie.value()
pin_zapis = Pin(2, Pin.OUT)
pin_zapis.value(1)
pin_zapis.value(0)
```

PWM - rýchle blikanie

```
from machine import Pin, PWM
pwm = PWM(Pin(2), freq=50)
pwm.duty(77) # 0-1024
pwm.duty(115) # cca 40-115 pre servo
pwm.freq(100)
pwm.deinit()
* PWM nefunguje na Pin(16)
```

NeoPixel

```
from machine import Pin
from neopixel import NeoPixel
pin = Pin(4, Pin.OUT)
np = NeoPixel(pin, 8)
np[0] = (255, 255, 255)
np.write()
```

Wi-Fi
import network

```
# Pripojenie k existujúcej sieti
wlan = network.WLAN(network.STA_IF)
wlan.active(True)
wlan.scan()
wlan.isconnected()
wlan.connect('meno_siete', 'heslo')
wlan.ifconfig()
```

```
# Vlastná sieť (AP)
ap = network.WLAN(network.AP_IF)
ap.active(True)
ap.config(essid='micropy')
```

```
# Webová konzola WebREPL
import webrepl
webrepl.start()
```

Viac na:

<http://micropython.sk/cheatsheet.html>
<http://github.com/micropythonsk>