import machine

import utime

# Function to read temperature from the onboard sensor

def read\_onboard\_temperature():

sensor\_temp = machine.ADC(4)

conversion\_factor = 3.3 / (65535)

reading = sensor\_temp.read\_u16() \* conversion\_factor

# Convert the reading to Celsius

temperature = 27 - (reading - 0.706) / 0.001721

return temperature

while True:

temp = read\_onboard\_temperature()

print("Temperature: {:.2f}°C".format(temp))

utime.sleep(2) # Wait for 2 seconds before reading again

