

Features:

Functional:

- USB-Serial onboard chip: CH340G;
- Can be use as usb-TTL adapter also
- Suitable for any controllers that are flashed through a serial interface;
- LDO: AMS1117-3.3;
- USB port: TYPE-C (works on one side of type c in 1v0 version);
- Automatically set microcontroller into flash mode;
- Auto reset of microcontroller;
- Data transfer indication;
- Supported baud rates up to 460800 baud.

Electrical:

- Supply voltage: 5 B;
- Output voltage: 3.3B;
- Max output current: 1A;
- Logic level: ttl (3.3B)

Technical:

- Dimensions:
16.4 mm x 37.5 mm
- Working temperatures:
from -30°C to +60°C

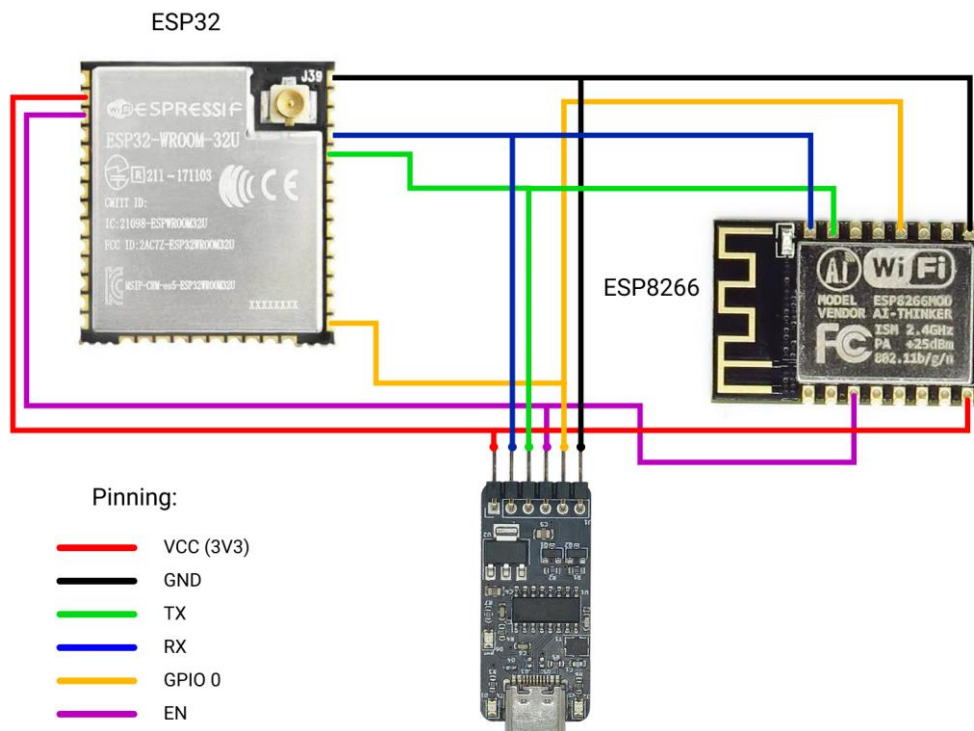
Description

CG_Programmer – universal programmer and ttl adapter, based on usb-serial chip CH340G with automatically switching of microcontroller into flashing (programmable) mode and auto resetting. Supported OS: Windows xp/vista/7/8/10/11, Mac OSX, Linux. Additional drivers can be found in google: “CH340 driver”.

1. The order of work

- 1) Connect the programmer to the PC (the red LED lights up)
- 2) Connect the programmer to the microcontroller in accordance with the pinout (RX-to-TX, TX-to-RX)
- 3) Open the Arduino IDE and specify the COM port number that appeared after connecting the programmer to the computer
- 4) Begin transmission

2. Connection scheme



3. Reference

Contact and additional information are presented in the table below

Description	Link
Manufacturer website	http://climateguard.ru/
Module library	https://github.com/climateguard/CG_Programmer
Telegram community	https://t.me/climateguard_community