WiFi Firmware Developing User Guide

V1.1

Sentry2 has an ESP8285 WiFi chip, adopts the same kernel as ESP8266, which can be programmed by Arduino IDE. This paper will introduce how to configure ESP8285 Arduino development environment and how to upload firmware.

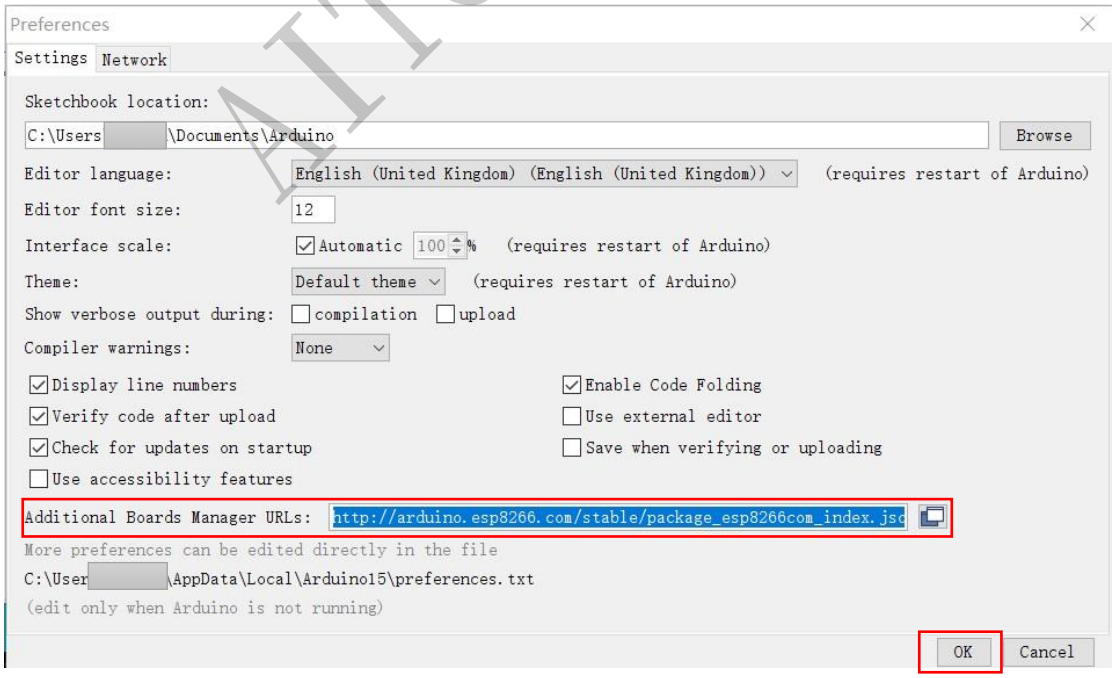
Download and install Arduino IDE:

https://downloads.arduino.cc/arduino-1.8.19-windows.exe

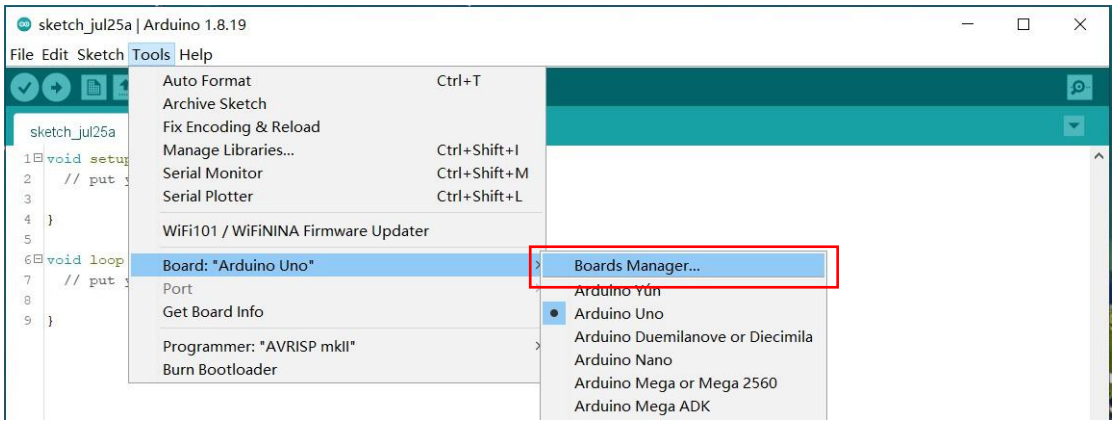
Run Arduino IDE and Open "File" >"Preference"

Input the URL to "Additional Boards Manager URLs" and click "OK"

http://arduino.esp8266.com/stable/package_esp8266com_index.json

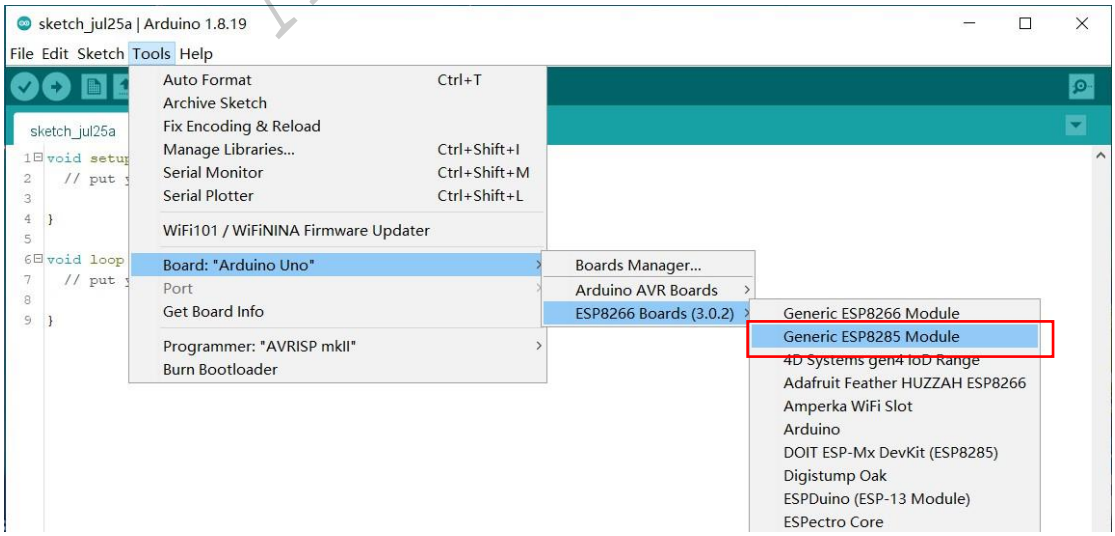


Open"Tools">"Board">"Boards Manager"

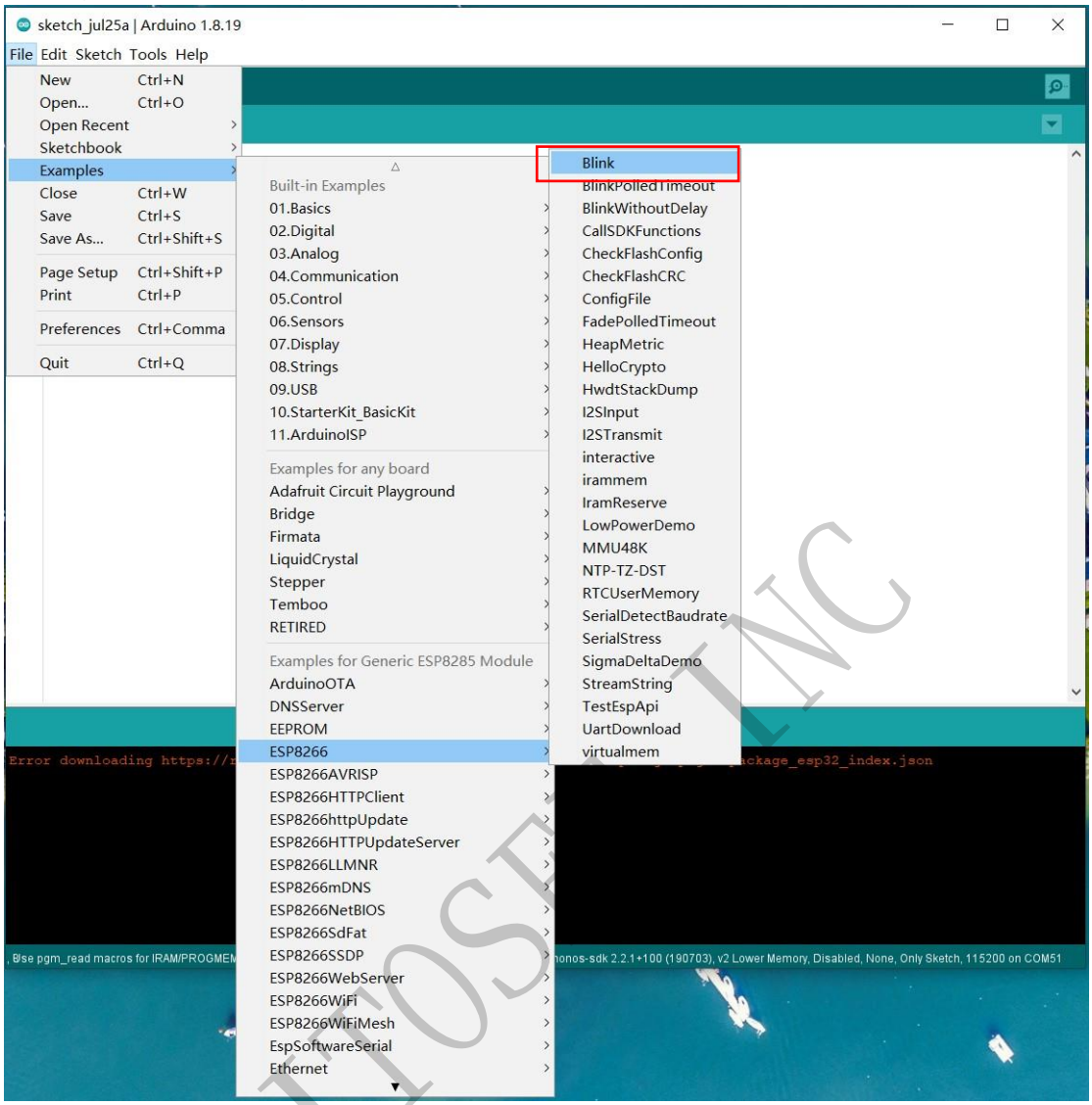


Search "esp8266" and click "Install"

Open "Tools">"Board">"ESP8266">"Generic ESP8285 Module"



Open "File">"Examples">"ESP8266">"Blink"



Connect Sentry2 to PC via an USB-TypeC cable. Open “Tools” and do seme settings as shown in the bellow

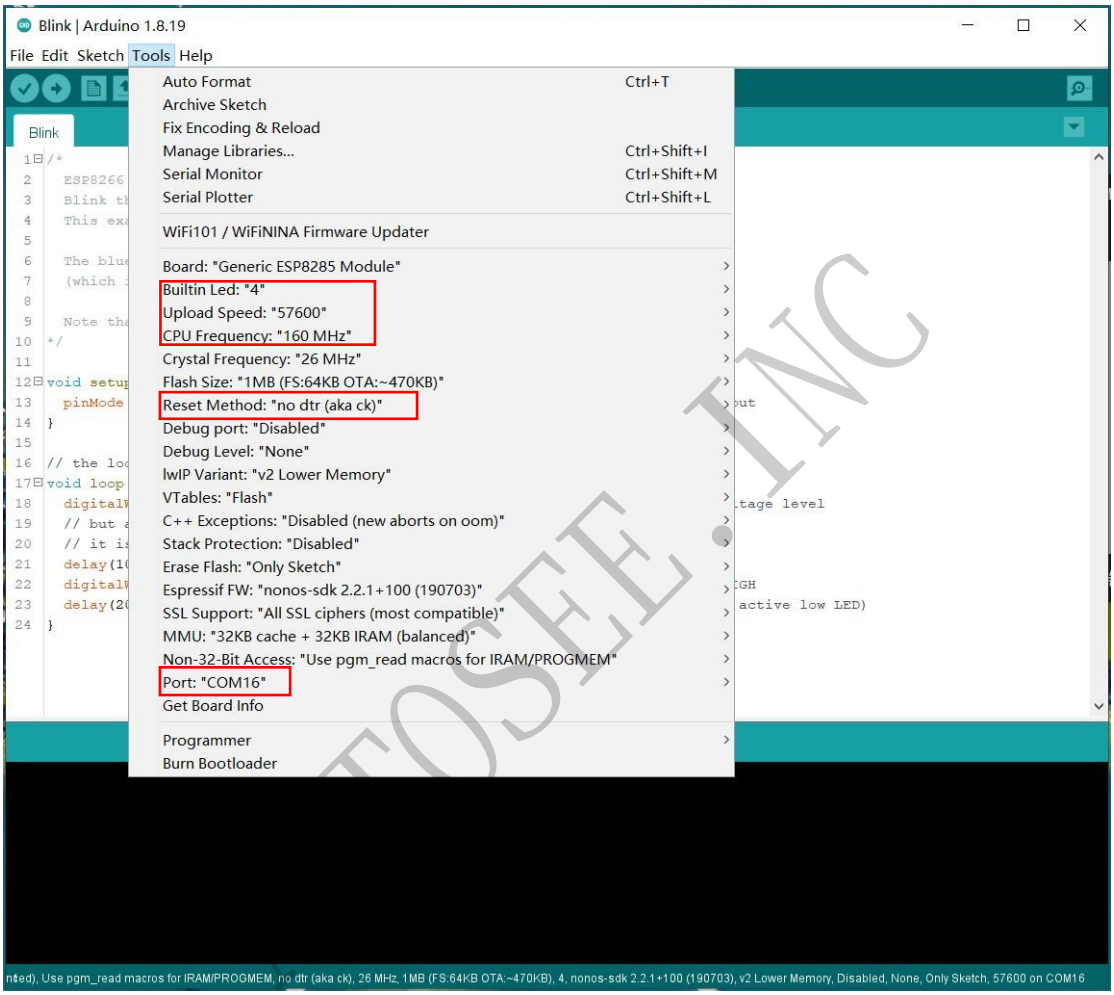
Buildin Led：“4”

CPU Frequency：“80MHz” or “160MHz”

Upload Speed：“57600”

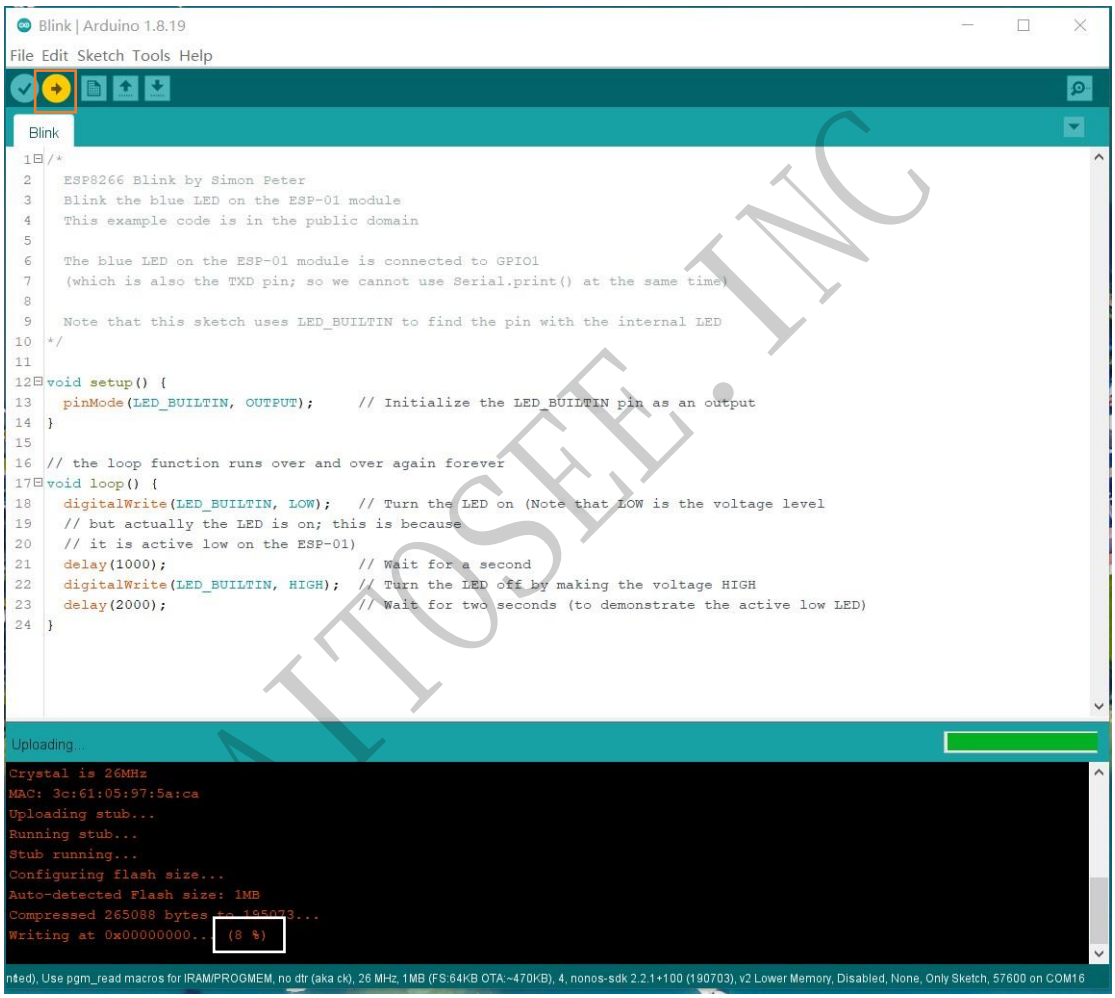
Reset Method：“no dtr (aka ck)”

Poart：“COM xx”(The USB Com Port)



Push the Stick button downward and hold it*(NOT ENTER Press)*, Click "upload" to start compiling and uploading, hold the Stick button downward until the screen shows the xx% progress.

1. Push and hold the Stick downward
2. Click the "Upload" on Arduino IDE



Wait firmware uploading until 100%

Restart the Sentry and runs the "Custom" vision, the Blue WiFi LED will be keep bright and the Custom LED will be blink.

Support：support@aitosee.com

Sales：sales@aitosee.com

FCC Caution：
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.