

Blog of Wei-Hsiung Huang

This blog is for keeping my study notes, sharing knowledge and showing the products of my study.. I welcome your feedback...

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2017/10/07

ESP8266 - Getting Chip ID and MAC Address

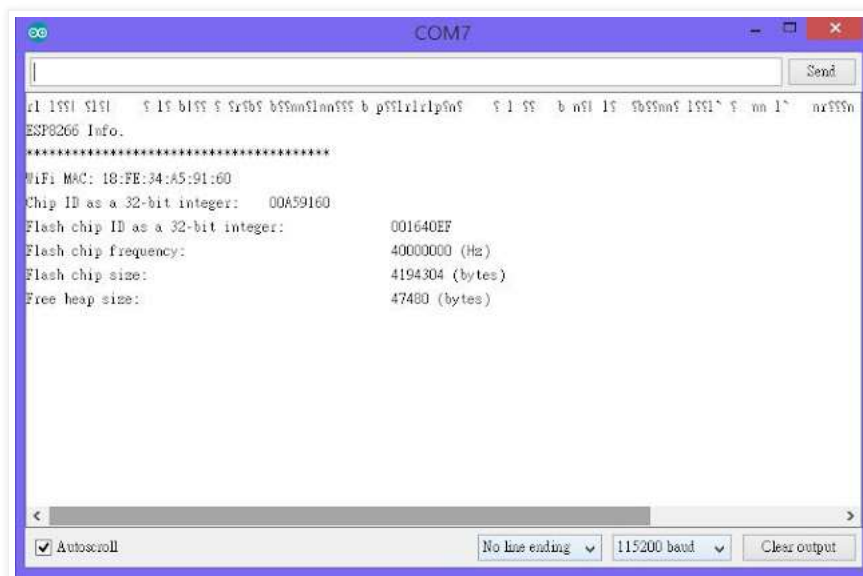
The code below reads and displays info. such as WiFi MAC Address, Chip ID, Flash Chip ID, Flash Chip Size, etc. about the NodeMCU v1.0 board that I use for making this post.

```

1 //reference:
2 // http://esp8266.github.io/Arduino/versions/2.1.0/doc/libraries.html
3 // http://arduino-er.blogspot.tw/2016/04/nodemcuesp8266-get-esp-chip-and-flash.html
4 // https://techtutorialsx.com/2017/04/09/esp8266-get-mac-address/
5
6 #include <ESP8266WiFi.h>
7
8 void setup() {
9     Serial.begin(115200);
10    delay(500);
11
12    Serial.println();
13    Serial.println("ESP8266 Info.");
14    Serial.println("*****");
15
16    Serial.print("WiFi MAC: ");
17    Serial.println(WiFi.macAddress());
18
19    Serial.printf("Chip ID as a 32-bit integer:\t%08X\n", ESP.getChipId());
20
21    Serial.printf("Flash chip ID as a 32-bit integer:\t\t%08X\n", ESP.getFlashChipId());
22
23    Serial.printf("Flash chip frequency:\t\t\t\t%d (Hz)\n", ESP.getFlashChipSpeed());
24
25    // ESP.getFlashChipSize() returns the flash chip size, in bytes as seen by the SDK (may be less than actual size).
26
27    Serial.printf("Flash chip size:\t\t\t\t%d (bytes)\n", ESP.getFlashChipSize());
28    Serial.printf("Free heap size:\t\t\t\t\t%d (bytes)\n", ESP.getFreeHeap());
29 }
30
31 void loop() {
32 }

```

The result



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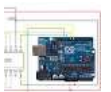
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References:

NodeMCU/ESP8266: get ESP chip and flash info

<http://arduino-er.blogspot.tw/2016/04/nodemcuesp8266-get-esp-chip-and-flash.html>

ESP8266: Get MAC address

<https://techtutorialsx.com/2017/04/09/esp8266-get-mac-address/>

Is there a serial number or unique ID in the chip

<http://bbs.espressif.com/viewtopic.php?t=1303>

Posted by Wei-Hsiung Huang at 10:38 0 Comments



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