程式：取得MAC資料

**開啟程式CheckMac**

**程式位址：https://github.com/brucetsao/BruceCourses/blob/master/105ANQU\_IOT/Code/CheckMac/CheckMac.ino**

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| #include <WiFi.h>  uint8\_t MacData[6];  String MacAddress ;  void setup() {  Serial.begin(9600) ;  MacAddress = GetWifiMac() ;  ShowMac() ;    }  void loop() { // run over and over    }  void ShowMac()  {    Serial.print("MAC:");  Serial.print(MacAddress);  Serial.print("\n");  }  String GetWifiMac()  {  String tt ;  String t1,t2,t3,t4,t5,t6 ;  WiFi.status(); //this method must be used for get MAC  WiFi.macAddress(MacData);    Serial.print("Mac:");  Serial.print(MacData[0],HEX) ;  Serial.print("/");  Serial.print(MacData[1],HEX) ;  Serial.print("/");  Serial.print(MacData[2],HEX) ;  Serial.print("/");  Serial.print(MacData[3],HEX) ;  Serial.print("/");  Serial.print(MacData[4],HEX) ;  Serial.print("/");  Serial.print(MacData[5],HEX) ;  Serial.print("~");    t1 = print2HEX((int)MacData[0]);  t2 = print2HEX((int)MacData[1]);  t3 = print2HEX((int)MacData[2]);  t4 = print2HEX((int)MacData[3]);  t5 = print2HEX((int)MacData[4]);  t6 = print2HEX((int)MacData[5]);  tt = (t1+t2+t3+t4+t5+t6) ;  Serial.print(tt);  Serial.print("\n");    return tt ;  }  String print2HEX(int number) {  String ttt ;  if (number >= 0 && number < 16)  {  ttt = String("0") + String(number,HEX);  }  else  {  ttt = String(number,HEX);  }  return ttt ;  } |

**CheckMac 程式重點解說**

* #include <WiFi.h> 使用網路必要函數
* uint8\_t MacData[6]; 儲存 MAC資料
* GetWifiMac() 取得MAC函數
* WiFi.status(); 顯示WIFI狀態
* WiFi.macAddress(MacData); 取得MAC資料
* print2HEX() 轉換內容為十六進位碼