Arduino W5100 Test

1.Stack your W5100 shield on you arduino board,make sure all the pins contact OK.

SIZE: L-69MM   W-53.6MM

2.Download the test sketch

arduino w5100 test code:

```
/***********************************************/

#include <SPI.h>

/*
 * Web Server
 *
 * A simple web server that shows the value of the analog input pins.
 */
#include <Ethernet.h>
byte mac[] = { 0xDE, 0xAD, 0xBE, 0xEF, 0xFE, 0xED };
byte ip[] =  { 192, 168, 0, 15 };
Server server(80);
void setup()
{
  Ethernet.begin(mac, ip);
  server.begin();
}
void loop()
{
  Client client = server.available();
```
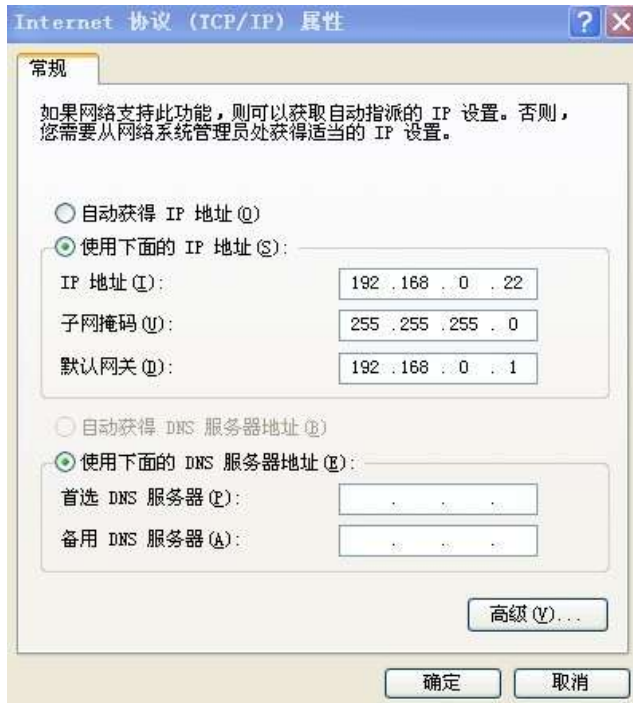
```arduino
if (client) {
  // an http request ends with a blank line
  boolean current_line_is_blank = true;
  while (client.connected()) {
    if (client.available()) {
      char c = client.read();
      // if we've gotten to the end of the line (received a newline
      // character) and the line is blank, the http request has ended,
      // so we can send a reply
      if (c == 'n' && current_line_is_blank) {
        // send a standard http response header
        client.println("HTTP/1.1 200 OK");
        client.println("Content-Type: text/html");
        client.println();

        // output the value of each analog input pin
        client.print("welcome to tinyos electronics");
        client.println("<br />");
        client.print("//**********************************");
        client.println("<br />");
        client.print("");
        client.println("<br />");
        client.print("//**********************************");
        client.println("<br />");
        for (int i = 0; i < 6; i++) {
          client.print("analog input ");
          client.print(i);
          client.print(" is ");
          client.print(analogRead(i));
          client.println("<br />");
        }
        break;
      }
      if (c == 'n') {
        // we're starting a new line
        current_line_is_blank = true;
      } else if (c != 'r') {
        // we've gotten a character on the current line
        current_line_is_blank = false;
      }
    }
  }
  client.stop();
```

```
  }
}
```

/**/

3.Connet your W5100 board and PC with cable(you may need a crossover cable if you direct connect PC and W5100)
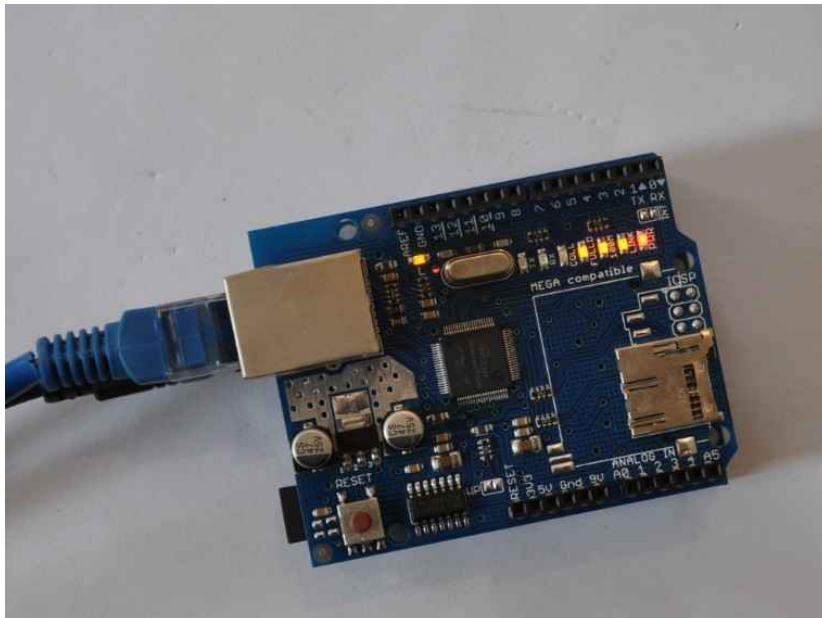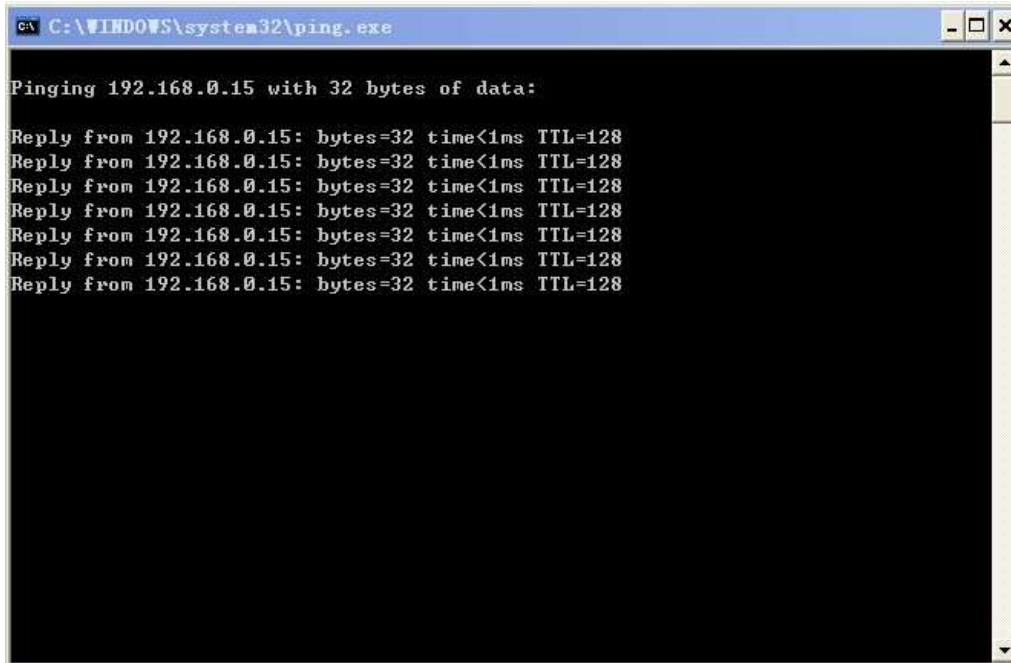

4. Setting your local PC IP

5.You will see PC Local connection show connected and W5100 4 LEDS will turn ON

FULLD,100M,LINK,PWR

If not please try to press RESET button on W5100 Shield.
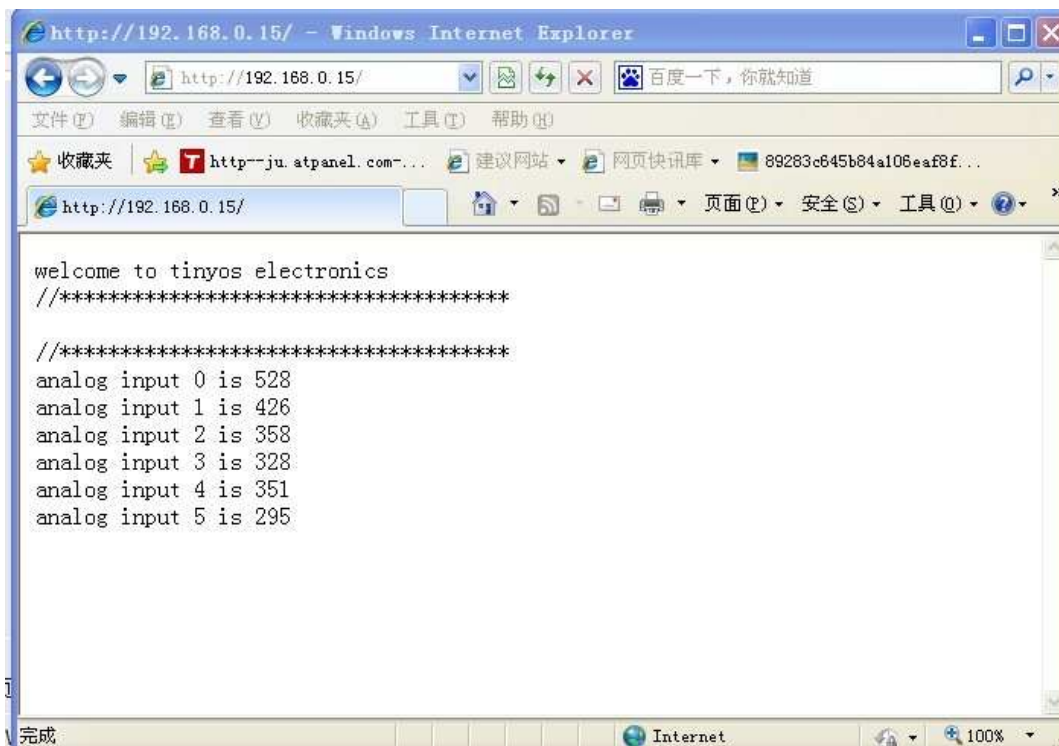

5.Now you can PING the W5100

6.Visit http://192.168.0.15/ you can see the test web page