How to Connect ENC28J60 Module with Arduino and Code

This guide illustrates how to connect Arduino to the ENC28J60 Ethernet Module.

ENC28J60 Module	Arduino Uno/Due	Arduino Mega
CS	D10	D53
SI	D11	D51
SO	D12	D50
SCK	D13	D52
RESET	RESET	RESET
INT	D2	D2
VCC	3V3	3V3
GND	GND	GND

1. To get it work, ENC28J60 library need to be used. Due to the function name of ENC28J60 library is same as the original Ethernet library, the original Ethernet library in the library folder must be removed.

2. You need to specify the IP address of the Ethernet shield. Then enter your Ethernet shield IP address into the URL bar. The Web browser will query inquire the Ethernet shield to return the values from analog input on the Arduino board.

Example code

Open Arduino IDE Files - Examples - ENC28J60 - WebServer
The IP address in the example code need to be changed for the address assigned to
ENC28J60 module.

```
#include <Ethernet.h>
byte mac[] = { 0xDE, 0xAD, 0xBE, 0xEF, 0xFE, 0xED };
byte ip[] = {192,168,1,120}; Server
server(80);
void setup()
{
 Ethernet.begin(mac, ip);
 server.begin();
}
void loop()
{
 Client client = server.available();
 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

            for (int i = 0; i < 6; i++) { client.print("analog input ");
            client.print(i);
               client.print(" is ");
               client.print(analogRead(i));
               client.println("");
            }
            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;
        }
      }
    }
    // give the web browser time to receive the data
    delay(1);
    client.stop();
  }
}
```