**Uploading to Pachube from Arduino Webserver and php**

Schematics like in Quick And Dirty Arduino Ethernet

http://www.komputer.de/wordpress/archives/497

Except ENC28J60 CS signal is not connected to Dig10, but connected to Dig8 like in Nanode.

Pin AVR Port Description

Dig2 PD2 Ethernet and wireless RFM12B interrupt (INT 0)

Dig8 PB0 SPI bus: Ethernet Slave Select

Dig9 PB1 SPI bus: IC7 slave select (if installed)

Dig10 PB2 SPI bus: Wireless Slave Select (if installed)

Dig11 PB3 SPI bus: Shared MOSI (Master Output, Slave Input)

Dig12 PB4 SPI bus: Shared MISO (Master Input, Slave Output)

Dig13 PB5 SPI bus: Shared Serial Clock (output from master)

3.3V power can be derived from 5V via 2 Si diodes. But in my case it worked with 3.3V from FTDI chip.

!!!!! Note !!!!!!!!

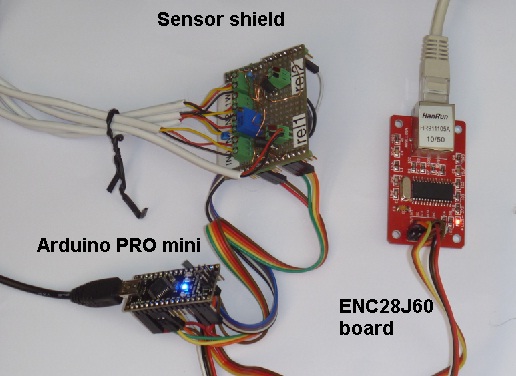
Pin 8 is used for CS here in EtherCard not the pin 10 as in EtherShield

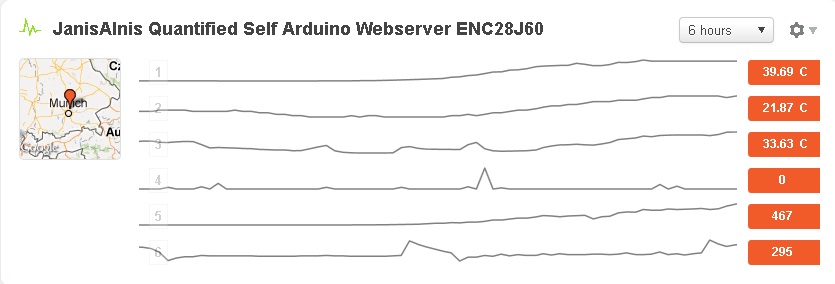
Copy the EtherCard driver directory under your Arduino/libraries and restart Arduino.

Start programming Arduino with a simple example.

When it works customize it for your sensors.

Below is my setup uploading from 6 sensors.





**Data can be uploaded to Pachube not only from Arduino but from any PC that can run php**

<?php

$ReqHeader =

"PUT http://api.pachube.com/v2/feeds/57119.csv HTTP/1.0\n".

"Host: api.pachube.com\n".

"x-PachubeApiKey: qpLG77lHBQVhhJlJ5yAhOAin\_CggAaW5tnTVnyGj09k\n".

"Content-Length: 6\n".

"\n".

"1, 114\n";

$socket = fsockopen("api.pachube.com", 80, &$errno, &$errstr);

$idx = 0;

fputs($socket, $ReqHeader);

$idx = 0;

fputs($socket, $ReqHeader);

while (!feof($socket)){

$Result[$idx++] = fgets($socket, 128);

}

?>