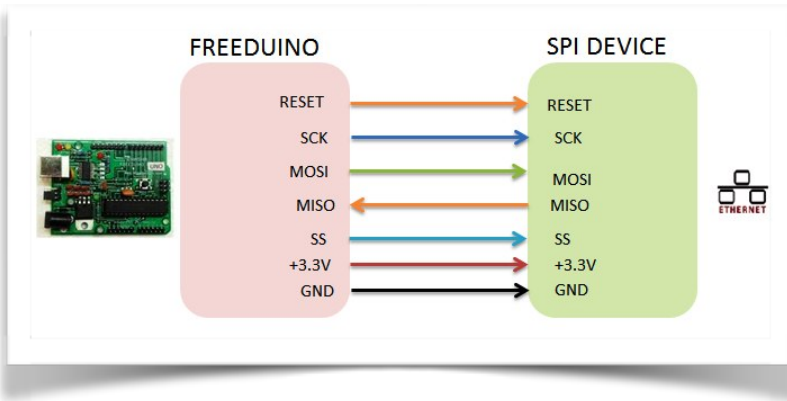# SPI Ethernet Adapter manual

SPI Ethernet breakout board provides Ethernet connectivity to Freeduino / Arduino / Sanguino with simple SPI Pin connections.

Refer the table below for SPI pins on different controller boards. Use accordingly. If your board uses different controller, then check the data sheet of that CPU.

SPI Pins	Arduino	Freeduino	Mega 2560	Sanguino
SS	10	10	53	4
MOSI	11	11	51	5
MISO	12	12	50	6
SCK	13	13	52	7

The board uses 3.3V for power and not the usual 5V power supply.

IP Address is assigned through software along with subnet mask, Gateway etc

The Ethernet Adapter uses the ENC28J60 UIPEthernet library, which can be downloaded here. https://github.com/ntruchsess/arduino_uip