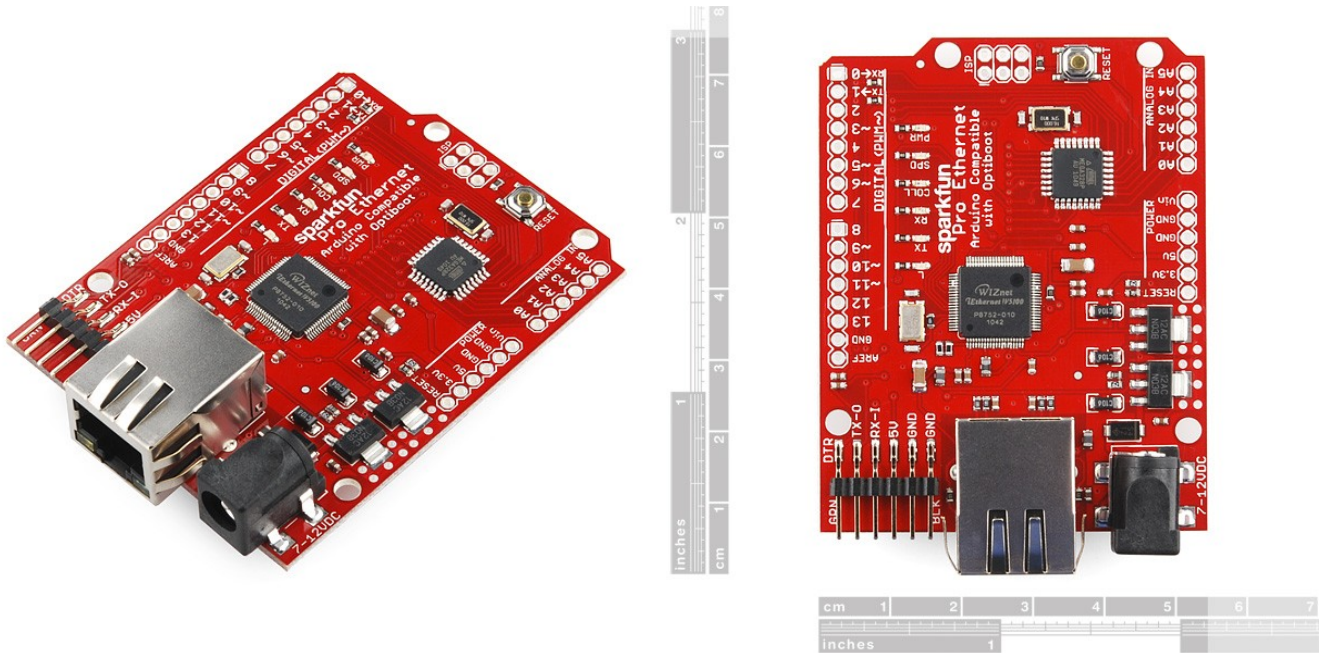# SparkFun
Ethernet Pro
sku: DEV-10536

Description: Ever wonder what would happen if you stacked an Ethernet shield on an Arduino Pro microcontroller and ran over it with a steam roller? Well, it would probably just break. But in a cartoon world it might turn into the Ethernet Pro! The Ethernet Pro is an Arduino-sized, shield-compatible microcontroller with all of the functionality of the Ethernet shield built right in!

The Ethernet Pro is based on the same hardware as the Ethernet shield (Wiznet W5100) in the same configuration so it is a drop-in replacement for the "Arduino/Ethernet double-stack," and works with all of the existing Ethernet shield libraries and code. This board features the 'Optiboot' bootloader, so be sure to select "Arduino Uno" in the Arduino IDE when you program it. The board can be programmed using either an FTDI Basic or the ATmega8U2 breakout (w/ USB-to-Serial firmware).

Documents:

- Schematic
- Eagle Files
- Datasheet (W5100)
- Arduino EthernetShield Page