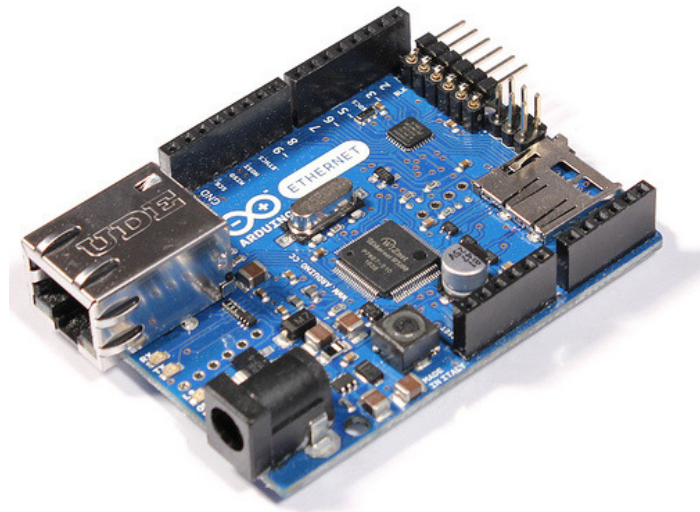


Arduino Ethernet w/o PoE module



The Arduino Ethernet is a microcontroller board based on the Arduino Uno, and incorporating a WizNet W5100 TCP/IP Embedded Ethernet Controller. It can be programmed like an Uno via a six-pin FTDI -style serial connector. The Arduino [USB 2 Serial](#) adapter or any FTDI-style USB-to-serial connector can be used to program it.

A separate power-over-Ethernet (PoE) module can be soldered to the board to provide power from a conventional twisted pair Category 5 Ethernet cable. It is IEEE802.3af compliant, and works with all compliant PoE injectors currently available.

Technical Specifications

Microcontroller	ATmega328
Operating Voltage	5V
Input Voltage (recommended)	7-12V
Input Voltage (limits)	6-20V
Digital I/O Pins	14 (of which 4 provide PWM output)

- Arduino Pins reserved
 - 10 to 13 used for SPI
 - 4 used for SD card
 - 2 W5100 interrupt (when bridged)

Analog Input Pins	6
DC Current per I/O Pin	40 mA
DC Current for 3.3V Pin	50 mA
Flash Memory	32 KB (ATmega328) of which 0.5 KB used by bootloader

SRAM	2 KB (ATmega328)
EEPROM	1 KB (ATmega328)
Clock Speed	16 MHz
W5100 TCP/IP Embedded Ethernet Controller	
Power Over Ethernet ready Magnetic Jack	
Micro SD card, with active voltage translators	

[Arduino Ethernet Official Page](#)