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# Ethernet Shield

There are many resource Products using WIZnet Ethernet chip.

## Arduino Compatible

### Arduino Ethernet Shield

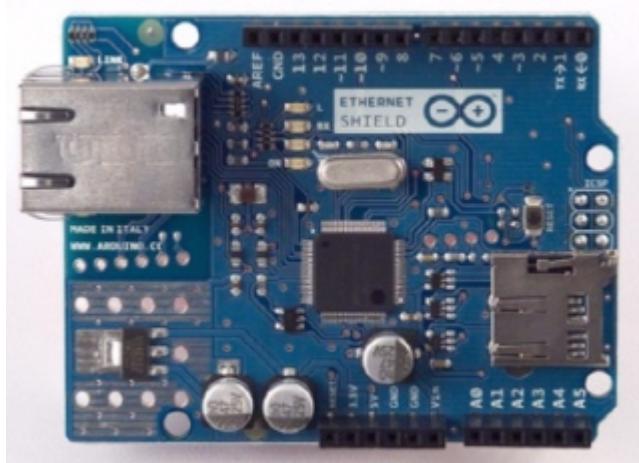


This [Ethernet Shield](#) which is based on the [Wiznet W5100 Ethernet Chip](#) gives you an easy way to get your Arduino Online.

It is directly supported by official Ethernet Library. It adds a micro-SD card slot, which can be used to store files for serving over the network.

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### Arduino Ethernet Shield R2.0

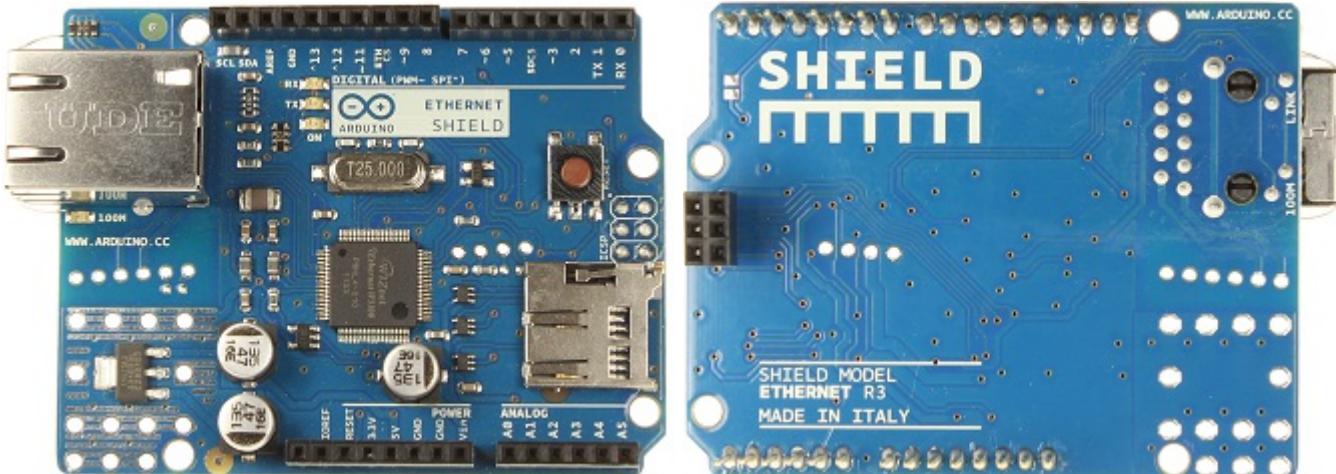


The [Arduino Ethernet shield](#) (This item is Ethernet shield R2) allows an Arduino board to connect to a LAN using the Ethernet library.

TCP/IP stack on board provided by the [W5100 chip](#)

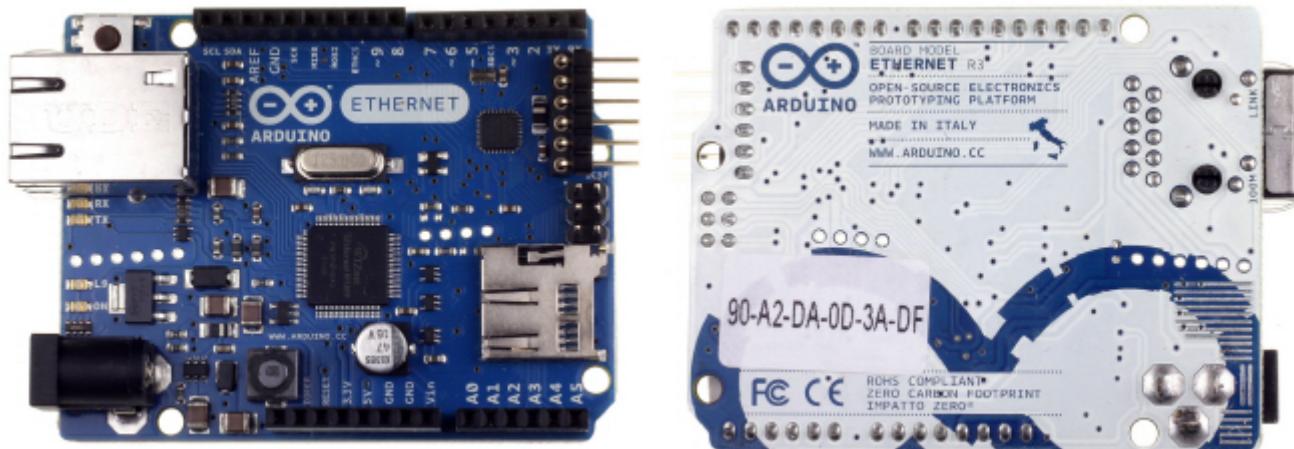
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## Arduino Ethernet Shield R3.0



The [Arduino Ethernet Shield R3.0](#) allows an Arduino board to connect to the internet. It is based on the [Wiznet W5100 ethernet chip](#). The Wiznet W5100 provides a network (IP) stack capable of both TCP and UDP. It supports up to four simultaneous socket connections. Use the Ethernet library to write sketches which connect to the internet using the shield. The ethernet shield connects to an Arduino board using long wire-wrap headers which extend through the shield. This keeps the pin layout intact and allows another shield to be stacked on top.

## Arduino Ethernet

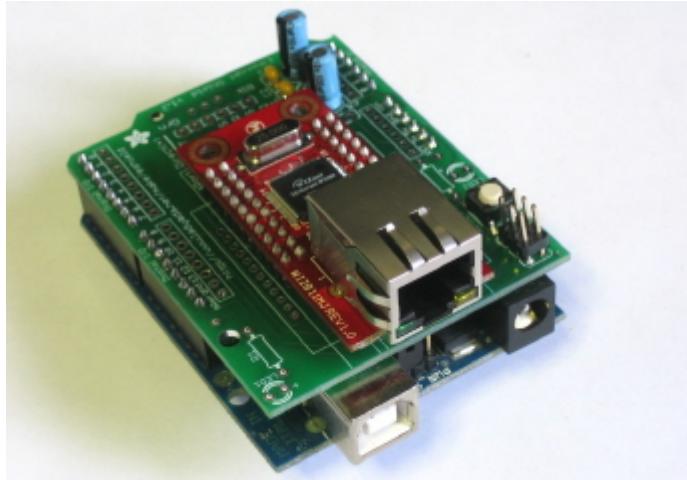


The [Arduino Ethernet](#) is a microcontroller board based on the ATmega328. It has 14 digital input/output pins, 6 analog inputs, a 16MHz crystal oscillator, a RJ45 connection, a power jack, an ICSP header, and a reset button.

An optional Power over Ethernet module can be added to the board as well.

The Ethernet differs from other boards in that it does not have an onboard USB-to-serial driver chip, but has a [Wiznet W5100 ethernet chip](#). This is the same interface found on the [Ethernet shield](#).

## Ethernet Shield from Adafruit



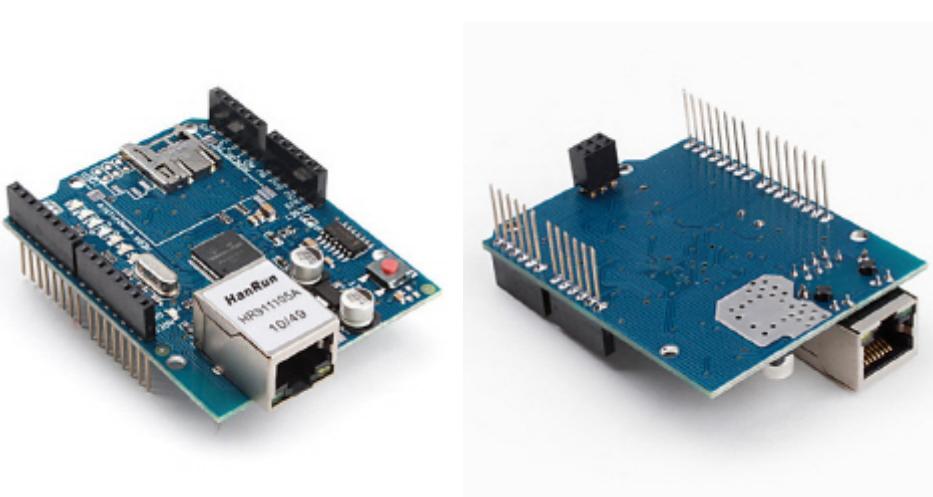
How about sending a twitter (which can then be easily forwarded to a phone via SMS)? There are so many possibilities for projects that connect to the Internet to get data, now there's an easy way to do it with an Arduino.

[Ethernet Shield](#) are a simple way to add ethernet to any project. These are older and possibly more familiar to some people.

The [WIZnet WIZ811mj module](#) is compatible with the official Arduino Ethernet library, which is easy to use and very powerful.

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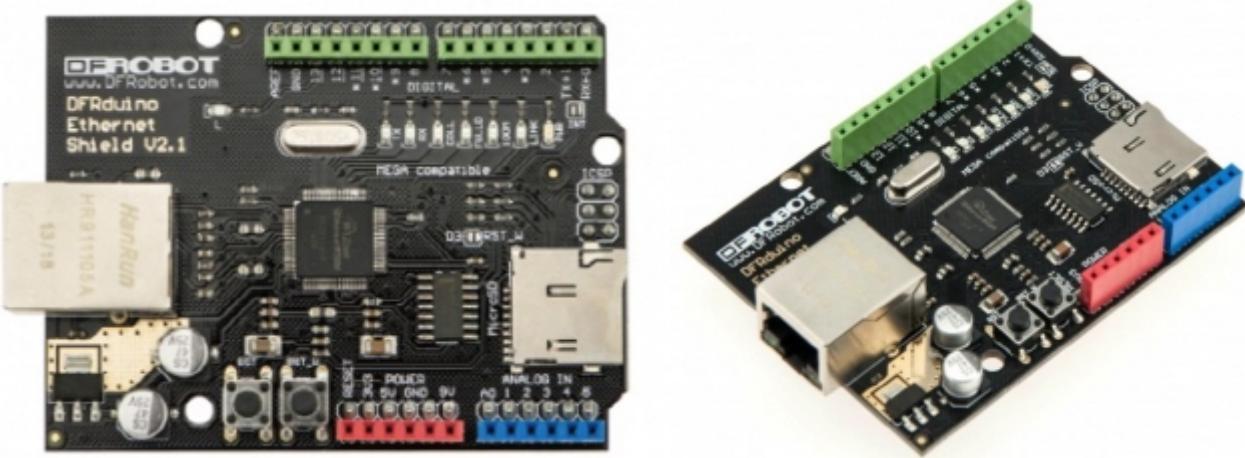
### Electronics DIY Arduino Ethernet Shield W5100 from DFRobot



[DFRduino Ethernet Shield](#) is compatible with the standard Arduino Ethernet library Compatible with Arduino Duemilanove, Uno, Mega 1280 and 2560 Based on the [Wiznet W5100 ethernet chip](#) and comes fully assembled Micro SD card slot for data loggingVoltage: 3.8-12V

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### DFRduino Ethernet Shield V2.1 from DFRobot



The [DFRduino Ethernet Shield V2.1](#) is now released. This version of Ethernet Shield is not only compatible with Mega 1280 and 2560, but also provides a Micro SD card slot for reading/writing.

DFRduino Ethernet Shield V2.1 is fully compatible with Arduino Ethernet Shield. With the official ethernet library, you can do exactly the same thing as the original one, but at a more affordable price.

This Ethernet Shield provides an Arduino controller board with internet access. It is based on the [Wiznet W5100 ethernet chip](#).

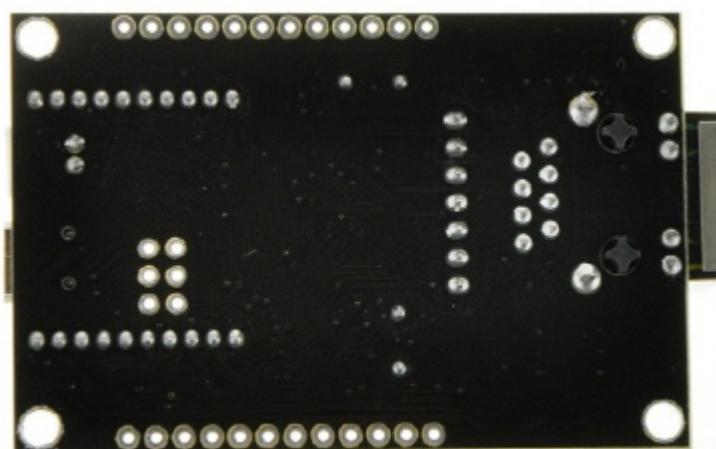
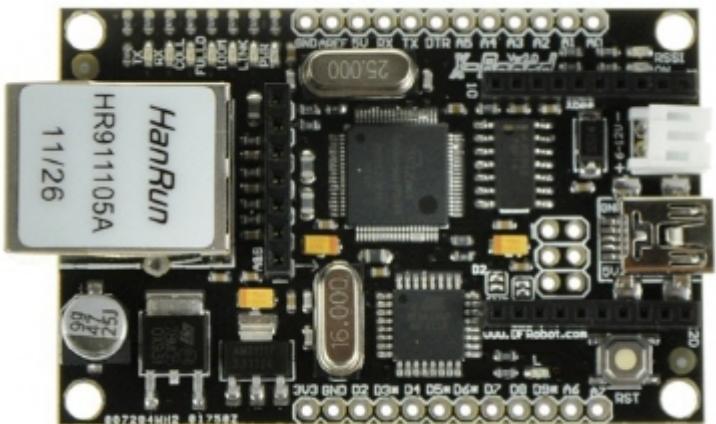
## Ethernet Shield W5100 For Arduino from DFRobot



The [Arduino Ethernet Shield](#) gives you an easy way to get your Arduino Online. It uses Arduino official [Wiznet W5100 ethernet chip](#) (not cheap ENC28J60) And it is directly supported by Arduino official Ethernet Library.

The [Wiznet W5100 ethernet chip](#) provides a network (IP) stack capable of both TCP and UDP. It supports up to four simultaneous socket connections. Use the Ethernet library to write sketches which connect to the internet using the shield.

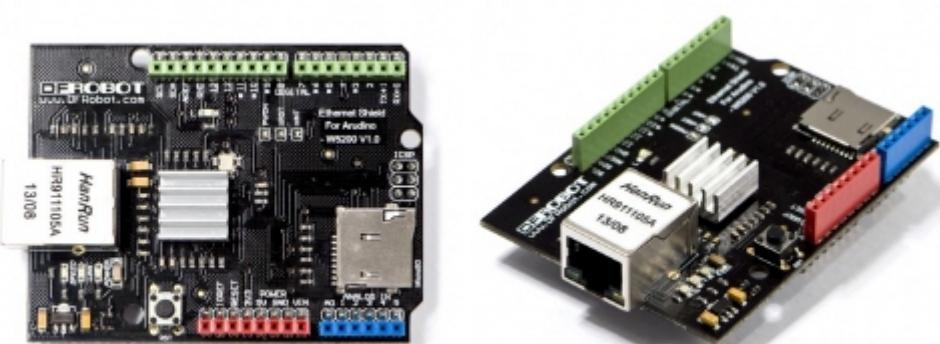
## XBoard V2 -A bridge between home and internet (Arduino Compatible) from DFRobot



This is [Version 2.0 of the Xboard](#). The main improvement is that it now operates at 5V, making it compatible with most sensors and I2C protocol without the need of a voltage level converter.

The XBoard is a unique Arduino board which features a [WIZnet W5100](#), an XBee socket, and an ATMega328. This board will add wireless XBee control as well as internet connectivity to your projects. Its great for anything from home automation to robot control. The possibilities are endless!

## Ethernet Shield for Arduino - W5200 from DFRobot



This [Arduino-sized Ethernet Shield](#) is based on the [Wiznet W5200 Ethernet Chip](#), and provides an easy way of getting your Arduino Online. Fits all version of arduino Main board,e.g.UNO, mega 2560. To start, just plug this module onto your Arduino board, connect it to your network with an CAT 5 Ethernet Cable (not included)

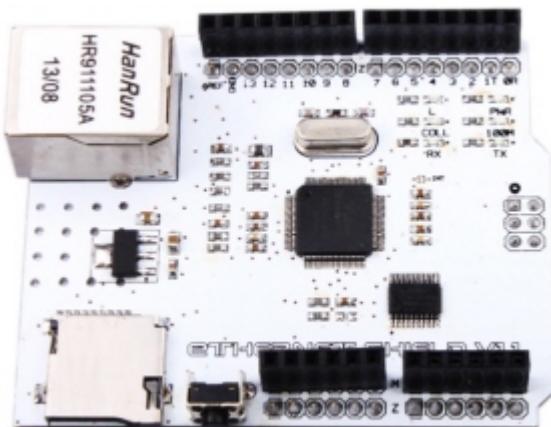
and follow a few simple instructions, you will be able to explore the world with internet. The pin layout also allows another shield to be stacked on top. An aluminum alloy radiator is placed onto W5200 chip to release excessive heat.

## W5200 DFRduino Ethernet Expansion Board from DFRobot



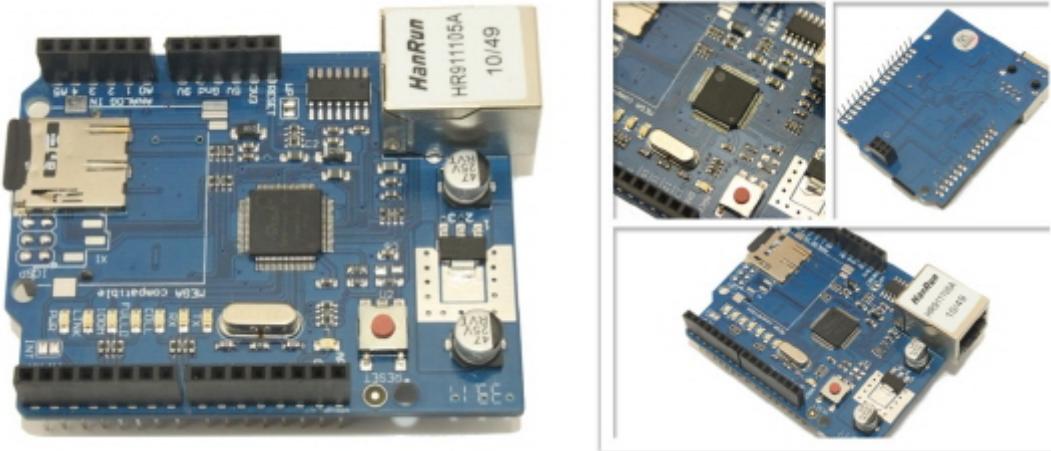
[W5200 DFRduino Ethernet Expansion Board - Deep Blue \(Works with Arduino Official Boards\)](#)

## Ethernet Shield from Elecfreaks



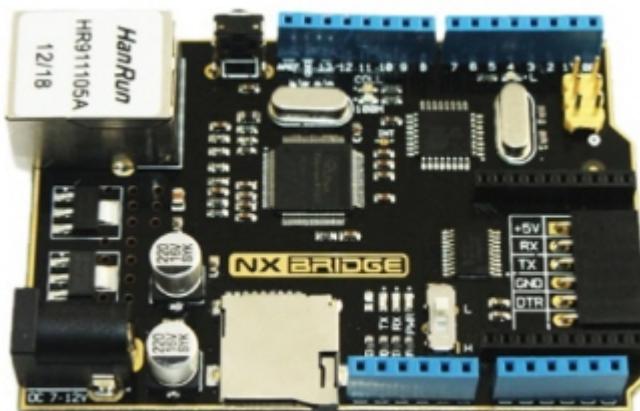
The [Ethernet Shield](#) allows an Arduino board to connect to the internet. It is based on the [WIZnet W5100 ethernet chip](#). The [WIZnet W5100](#) provides a network (IP) stack capable of both TCP and UDP. It supports up to four simultaneous socket connections. Use the Ethernet library to write sketches which connect to the internet using the shield. The ethernet shield connects to an Arduino board using long wire-wrap headers which extend through the shield. This keeps the pin layout intact and allows another shield to be stacked on top.

## Ethernet shield - W5100 from Elecfreaks



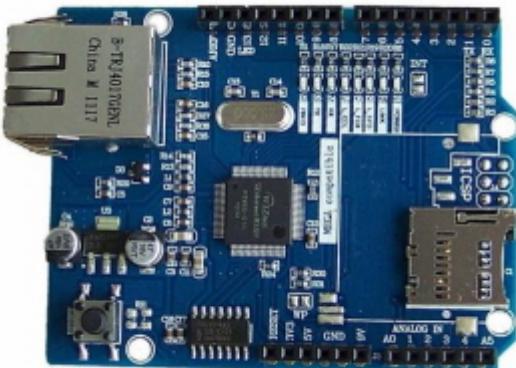
This is a [Ethernet shield](#) based on the [Wiznet W5100 ethernet chip](#), compatible with [Arduino Ethernet Shield](#), added support to Arduino Mega. The difference between the Arduino Ethernet Shield and this one is just the location of the Ethernet port. It is based on the Wiznet W5100 ethernet chip providing a network (IP) stack capable of both TCP and UDP. The Arduino Ethernet Shield supports up to four simultaneous socket connections. Use the Ethernet library to write sketches which connect to the internet using the shield.

## NX Bridge include Bee adapter from Elecfreaks



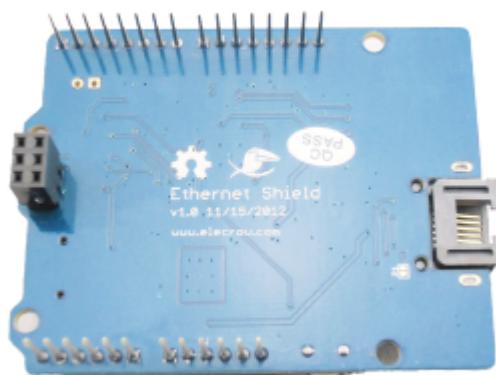
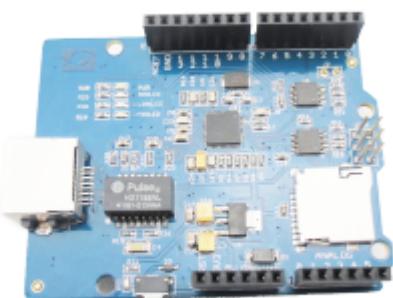
[NX Bridge](#) is a unique Arduino board which features a [WIZnet W5100 ethernet chip](#), an XBee socket, an RJ45 port, and an ATmega328. This board will add wireless XBee control as well as internet connectivity to your projects. It's great for anything from home automation to robot control. The possibilities are endless!

## Arduino Ethernet Shield from ELEC House



The [Ethernet Shield](#) allows an Arduino board to connect to the internet. It is based on the [WIZnet W5100 ethernet chip](#). The [WIZnet W5100](#) provides a network (IP) stack capable of both TCP and UDP. It supports up to four simultaneous socket connections. Use the Ethernet library to write sketches which connect to the internet using the shield. The ethernet shield connects to an Arduino board using long wire-wrap headers which extend through the shield. This keeps the pin layout intact and allows another shield to be stacked on top.

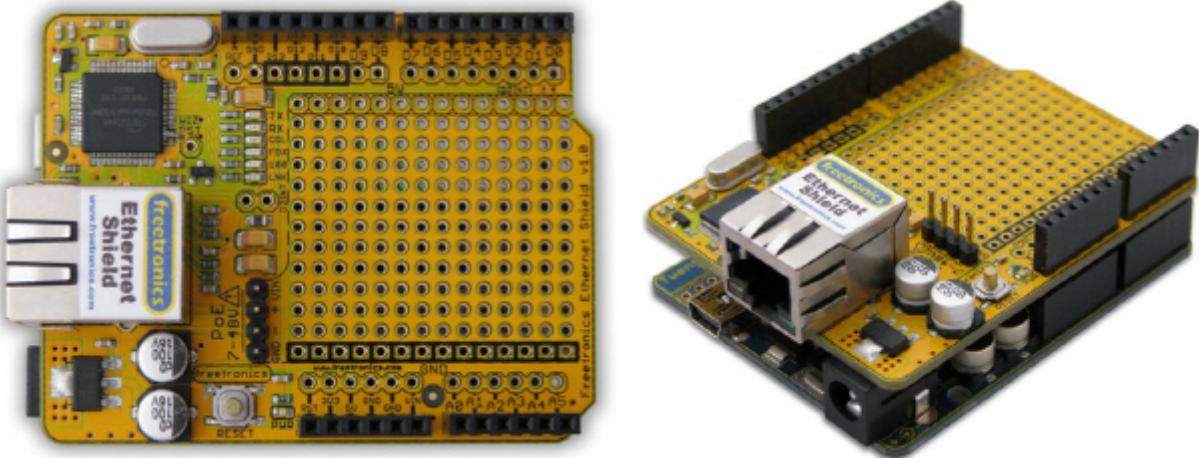
## W5200 Ethernet Shield from Elecrow



The [Ethernet Shield](#) connects your Arduino device to the internet in mere minutes. Just plug this module onto your Arduino board, connect it to your network with an RJ45 cable (not included) and follow a few simple instructions to start controlling your world through the internet.

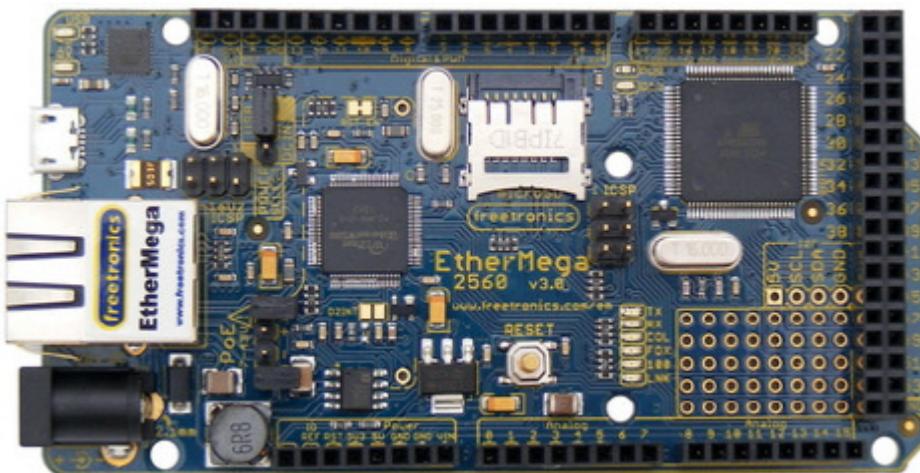
The Ethernet controller of this Ethernet Shield is [W5200](#), it is twice the buffer size of [W5100](#) and support for up to eight simultaneous TCP/UDP connections. There is an onboard micro-SD card slot, which can be used to store files for serving over the network. Thanks to a lowered RJ45 port, you can flexibly add most shields on top of this Ethernet Shield.

## Ethernet Shield with PoE from Freetronics



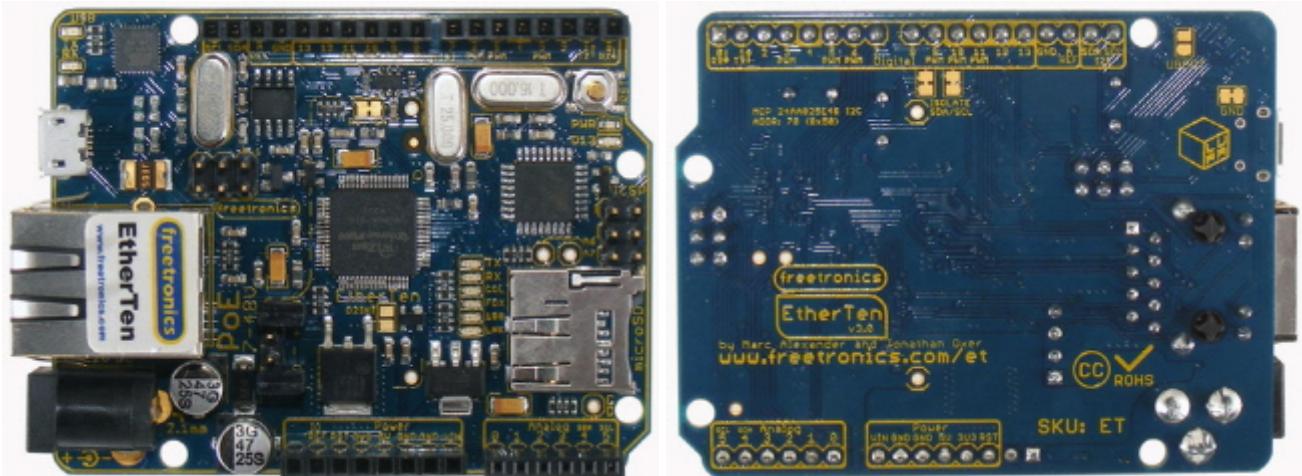
Put your Arduino online with the [Freetronics Ethernet Shield](#) and have it talk to the world. Do Twitter updates automatically, serve web pages, connect to web services, display sensor data online, and control devices using a web browser. The Freetronics Ethernet Shield is based on the same [Wiznet W5100 chip](#) used by the official Arduino Ethernet Shield, and is 100% compatible with the Ethernet library and sketches.

## EtherMega from Freetronics



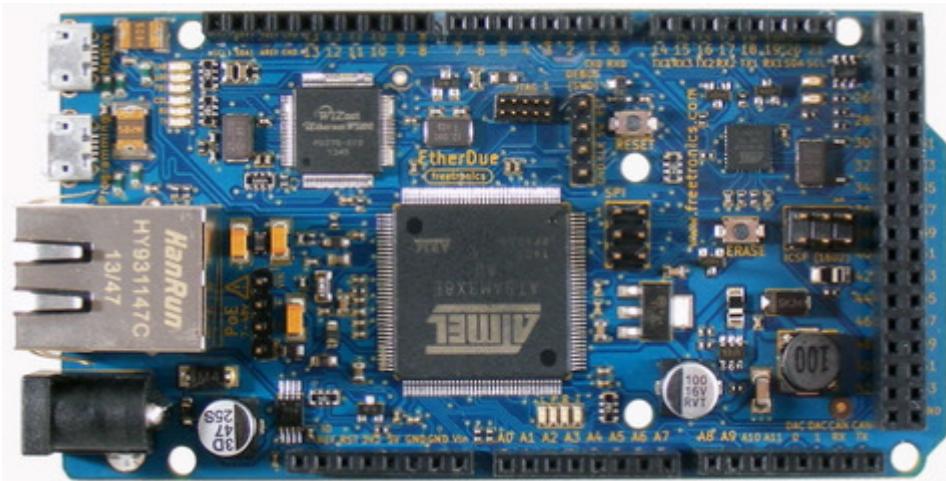
The [EtherMega](#) is a 100% Arduino Mega 2560 compatible board that can talk to the world. Do Twitter updates automatically, serve web pages, connect to web services, display sensor data online, and control devices using a web browser. The Freetronics EtherMega uses the same ATmega2560 as the Arduino Mega 2560 so it has masses of RAM, flash memory, and I/O pins, and also includes the same [Wiznet W5100 chip](#) used by the official Arduino Ethernet Shield, so it's 100% compatible with the Ethernet library and sketches. Any project you would previously have built with an Arduino Mega 2560 and an Ethernet shield stacked together, you can now do all in a single, integrated board.

## EtherTen from Freetronics



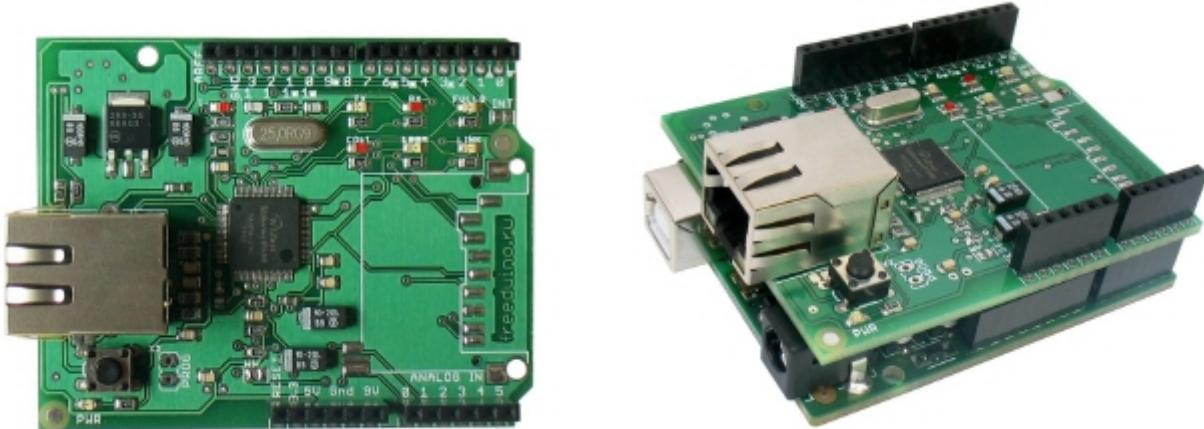
The [EtherTen](#) is a 100% Arduino compatible board that can talk to the world. Do Twitter updates automatically, serve web pages, connect to web services, display sensor data online, and control devices using a web browser. The Freetronics EtherTen uses the same ATmega328P as the Uno and the same [Wiznet W5100 chip](#) used by the official Arduino Ethernet Shield, so it's 100% compatible with the Ethernet library and sketches. Any project you would previously have built with an Arduino and an Ethernet shield stacked together, you can now do all in a single, integrated board.

## EtherDue from Freetronics



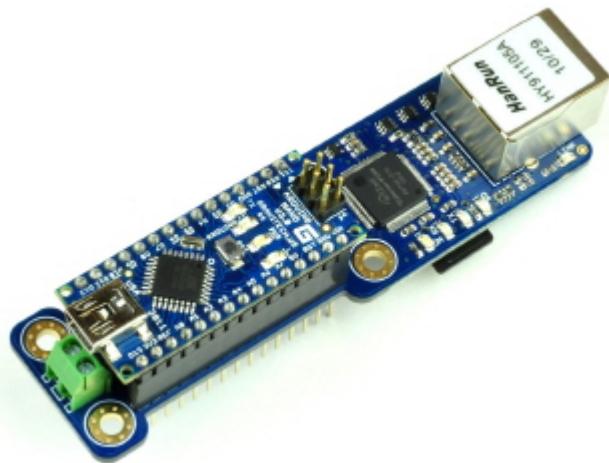
The [EtherDue](#) is centred around the 84MHz 32-bit Cortex M3 ARM processor, same as the Arduino Due. Many times more powerful than the 8-bit AVR processors of earlier Arduino models. Combined with a massive 96 kilobytes of RAM (12x the EtherMega) and 512 kilobytes of flash (2x the EtherMega), there's tons of rooms for the most complex programs to run. Connectivity options are plentiful too - USB device and host, two I<sup>2</sup>C buses, SPI bus, CAN bus, four hardware serial ports, and a real 12-bit Digital to Analog converter for analog voltage output. 100% compatible with Arduino Due and the Arduino Ethernet Shield. It is based on the [Wiznet W5100 chip](#).

## Freeduino Ethernet Module E-Shield v2



The [Ethernet Shield v2](#) is based on the [Wiznet W5100 Ethernet chip](#), which supports up to four simultaneous connections by IP protocols TCP and UDP. Programming module is recommended to use the standard Arduino library Ethernet, is included with Arduino software version 0.12. Currently, a standard library allows for TCP server and client.

### Ethernet Shield for Arduino nano from Gravitech



The [ETHERNET-NANO](#) is based on the [Wiznet W5100 Ethernet chip](#) which provides a network (IP) stack capable of both TCP and UDP. The ETHERNET-4NANO supports up to four simultaneous socket connections. Use the Ethernet library to write sketches which connect to the internet using the add-on module.

### ITEAD W5100 Ethernet Shield from IteadStudio



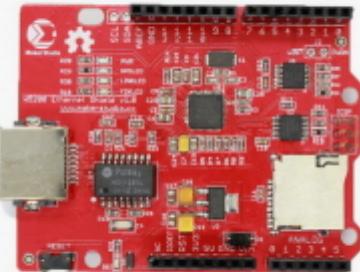
[W5100 Ethernet shield](#) is a [WIZnet W5100](#) breakout board with POE and Micro-SD card designed for Arduino platform. 5V/3.3V compatible operation voltage level makes it compatible with Arduino boards, leafmaple, and other Arduino compatible board.

## Ethernet Shield from Link Sprite



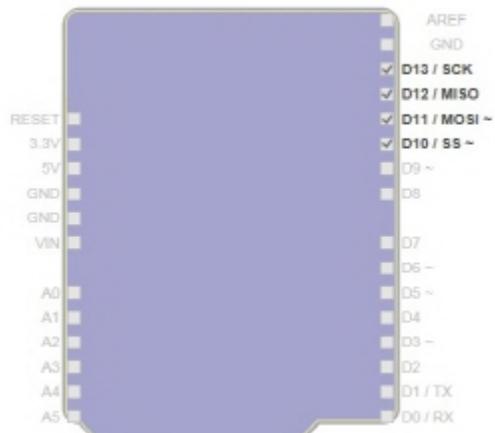
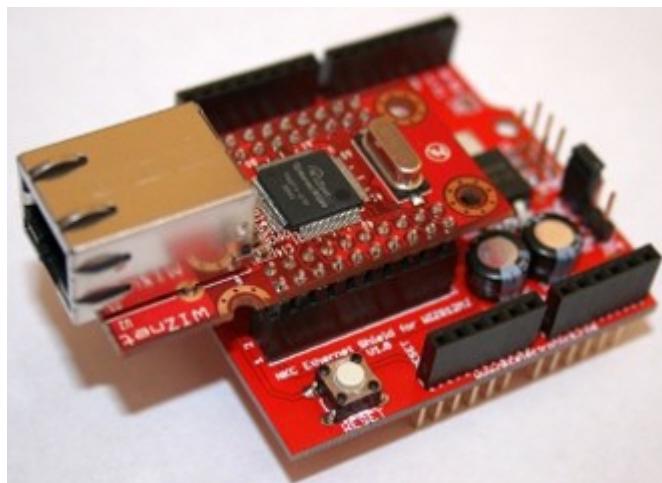
[the Ethernet Shield](#) instantly enables internet connectivity for Arduino projects. An on-board [W5100 Ethernet](#) controller handles up to four TCP and UDP connections, just stack it onto an Arduino to create your own networked devices. Easily check connection status with on board indicator lights. Extend your design further with two extra rows of pin header that connect to shields and prototyping boards.

## W5200 Ethernet Shield for Arduino from Maker Studio



The Ethernet controller of [this Ethernet Shield](#) is [W5200](#). it is twice the buffer size of W5100 and support for up to eight simultaneous TCP/UDP connections. There is an onboard micro-SD card slot, which can be used to store files for serving over the network. Thanks to a lowered RJ45 port, you can flexibly add most shields on top of this Ethernet Shield.

### Ethernet Shield from NKC Electronics



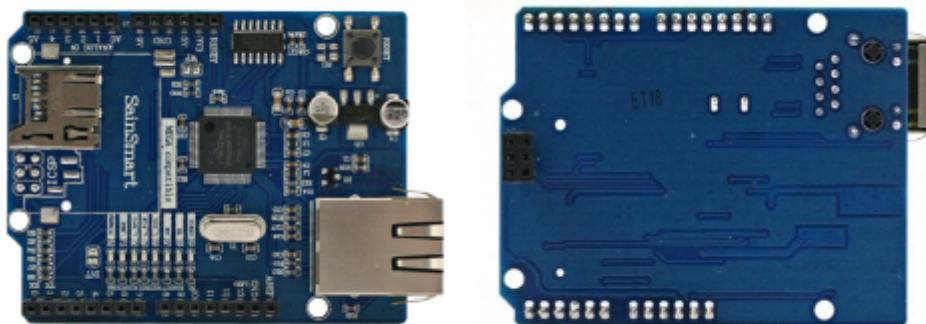
NKC Electronics Ethernet Shield is Based on the [WIZ812MJ module](#) by [Wiznet](#), which uses the same [W5100](#) chip as the official [Arduino Ethernet shield](#).

### Zduino Ethernet from OpenJumper



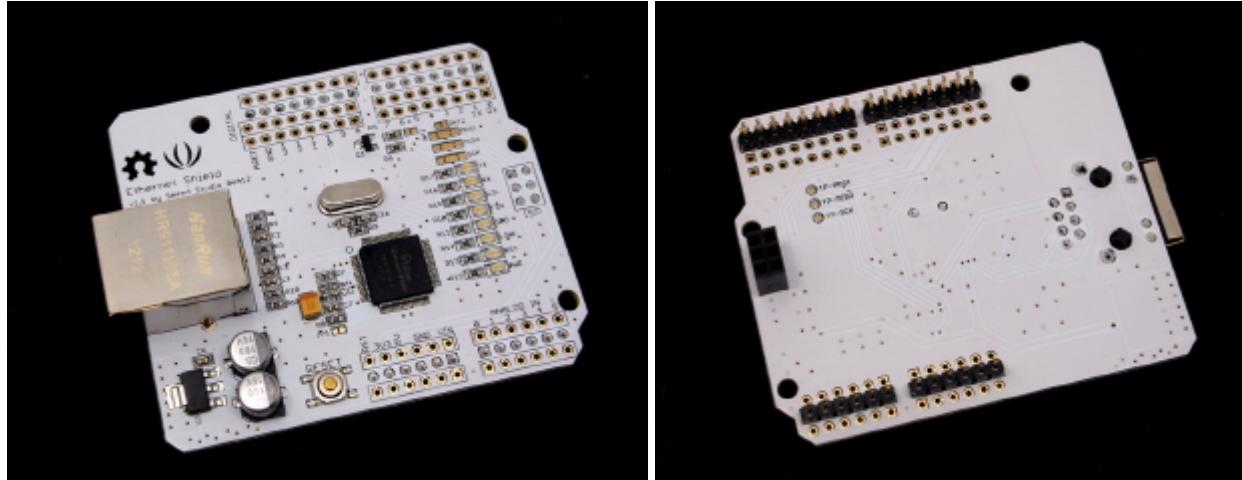
The [Zduino Ethernet](#) allows an Arduino board to connect to the internet. It is based on the [WIZnet W5100 ethernet chip](#). The [WIZnet W5100](#) provides a network (IP) stack capable of both TCP and UDP.

## Ethernet Shield W5100 from Sainsmart



This [Ethernet Shield](#) connects the [UNO R3 board](#) to the internet in mere minutes. Just plug this module onto your Arduino board, connect it to your network with an RJ45 cable (not included) and follow a few simple instructions to start controlling your world through the internet. allows you to connect your Arduino UNO 328 or MEGA 2650 1280 to a network or the internet AND retrieve or store files on a Micro SD Card! The module carries an onboard [WIZnet W5100 Ethernet chip](#), which provides a network (IP) stack capable of both TCP and UDP, as well as a standard RJ45 Ethernet jack.

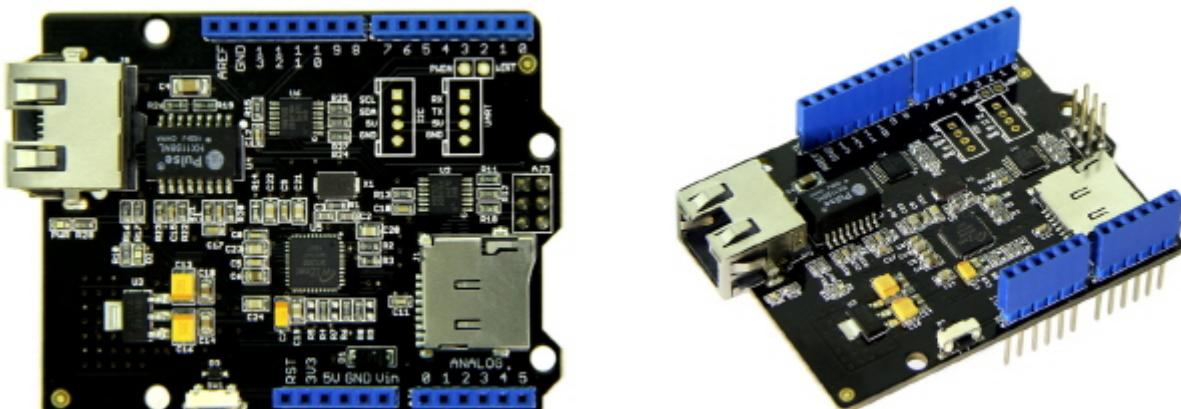
## Ethernet Shield from SeeedStudio



Ethernet Shield instantly enables internet connectivity for Arduino projects.

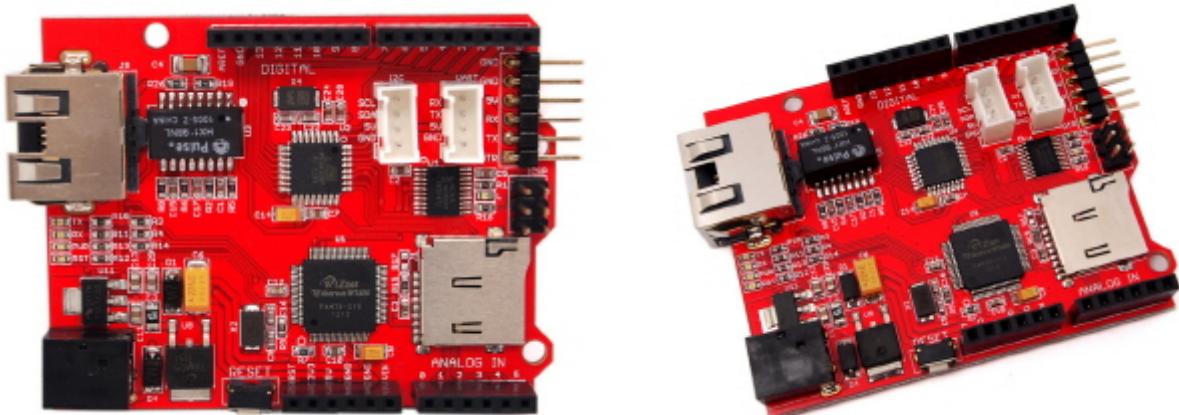
An on-board [W5100 ethernet chip](#) handles up to four TCP and UDP connections, just stack it onto an Arduino to create your own networked devices. Easily check connection status with on board indicator lights. Extend your design further with two extra rows of pin header that connect to shields and prototyping boards.

## W5200 Ethernet Shield from SeeedStudio



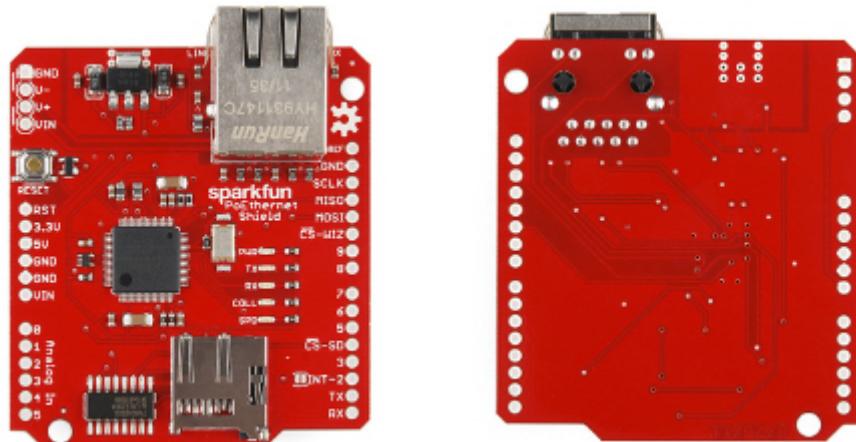
This [Ethernet shield](#) provides you instant Internet connectivity with a high spec Ethernet controller, [W5200](#), with twice the buffer size of v1.0 and support for up to eight simultaneous TCP/UDP connections. An included SD slot enables applications that require storing large amounts of data, like IoT data logging. Thanks to a lowered RJ45 port, you can flexibly add most of shields on top of this Ethernet Shield.

## Seeeduino Ethernet from SeeedStudio



[Seeeduino Ethernet](#) is a compact and multifunctional development platform, which merges data logging and processing, device control and Ethernet communication together into one. It's armed with a MEGA328P chip and a [WIZnet W5100](#): the former provides an Arduino controlling style and the latter provides TCP and UDP Ethernet communication ability. Plus integrated SD card module, it's convenient and neat for remote data logging, processing or transferring via network. It has minimal height RJ45 port and power jack to suit most of existing Arduino Shields. Two Grove ports are included to enable easy extensions of sensors and actuators.

## PoEthernet Shield from Sparkfun



Ethernet connectivity is a great way to get your Arduino talking to other systems all over the world (or at least the network). But sometimes running an Ethernet cable is hard enough, why should you have to run a power cable too? That's where PoE comes into play: Power over Ethernet.

The [PoEthernet Shield](#) not only give your Arduino access to the Internet via the Ethernet Library but it also allows your project to power itself from the Ethernet line (provided you've injected power to it somewhere down the line).

This is a board based on the [Wiznet W5100 ethernet chip](#).

## Ethernet Pro from Sparkfun



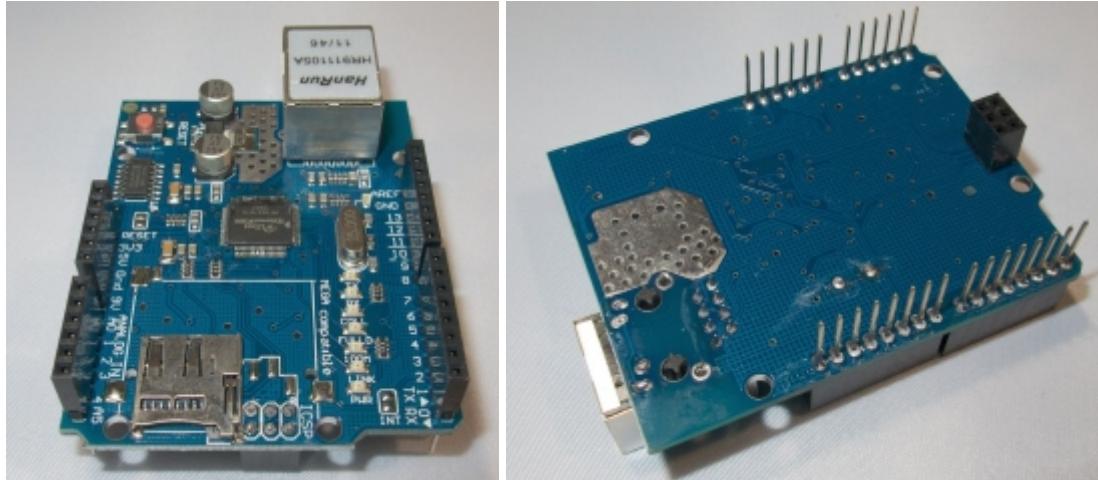
The [Ethernet Pro](#) is based on the same hardware as the Ethernet shield ([Wiznet W5100](#)) in the same configuration so it is a drop-in replacement for the “Arduino/Ethernet double-stack,” and works with all of the existing Ethernet shield libraries and code. This board features the 'Optiboot' bootloader, 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).

## Ethernet Shield from Tinker.it



The [Ethernet Shield](#) is designed to allow the Arduino base module to connect to the internet easily as a standalone unit. The module carries an onboard [WIZnet W5100 Ethernet chip](#), which provides a network (IP) stack capable of both TCP and UDP, as well as a standard RJ45 Ethernet jack. It supports up to four simultaneous socket connections. An Ethernet library writes sketches that connect to the internet using the shield.

## Tronixlabs W5100 Ethernet shield for Arduino with microSD card socket



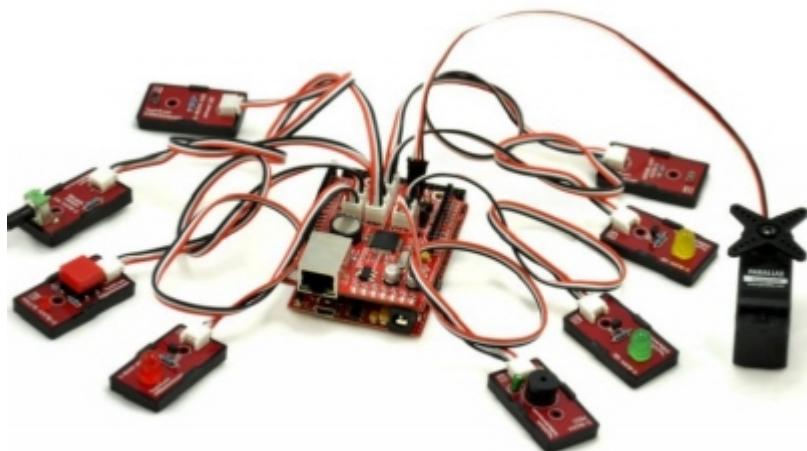
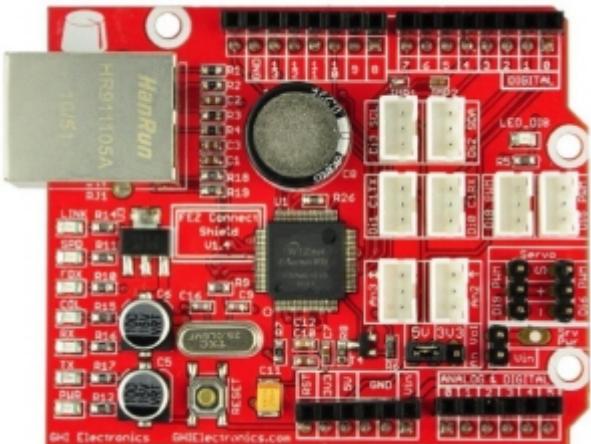
This board is a great value Ethernet shield for your Arduino Uno, Mega and other 5V Arduino-compatible. It uses the standard [WIZnet W5100 Ethernet chip](#) and works perfectly with the standard Arduino Ethernet library. The SPI/ICSP pins are brought down with a socket on the bottom, so you can use this with Arduino Mega and Leonardo boards as well. Also includes a microSD card socket.

## Ethernet Microcontroller from AndyMark



The [Arduino-Compatible Ethernet Microcontroller](#) is a single-board micro controller great for education. When combined with the RobotOpen Control Shield, the Arduino can serve as an inexpensive drop-in replacement for the cRIO control system. This module is based on the [Wiznet W5100 Ethernet chip](#).

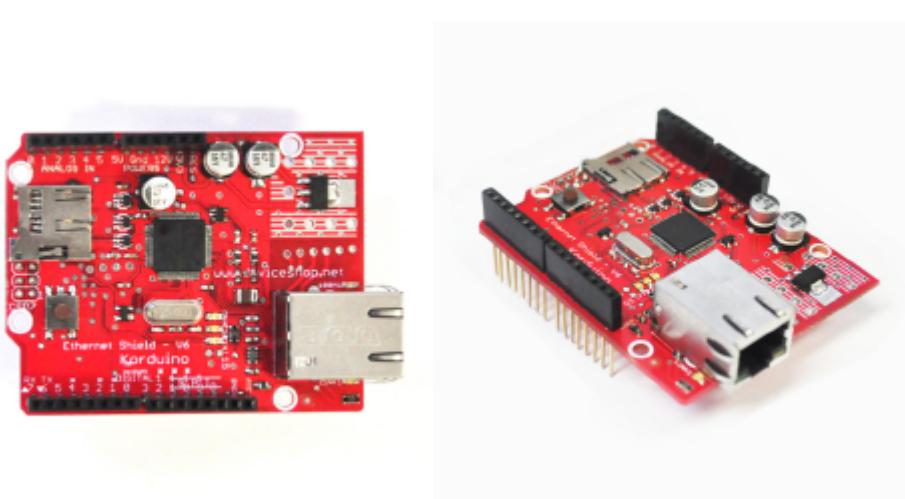
## FEZ Connect Shield from GHI



This shield is perfect to connect FEZ Panda to the outer world. The “Internet of things” and physical computing has never been easier before.

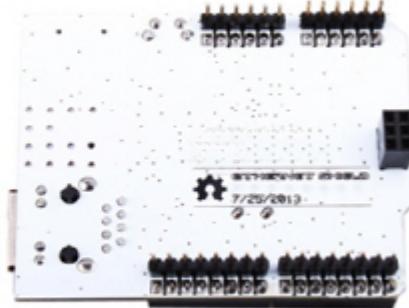
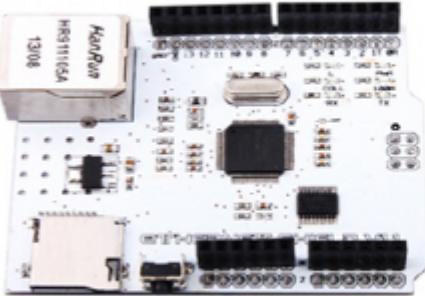
This module is based on is based on the [WIZnet W5100 Ethernet chip](#).

## Korduino Ethernet Shield



This shield allows an Arduino board to connect to the internet. This module is based on is based on the [WIZnet W5100 Ethernet chip](#).

## Lseeduino Ethernet Shield



The Lseeduino Ethernet shield allows an Arduino board to connect to the internet. It is based on the [WIZnet W5100 ethernet chip](#). The [WIZnet W5100](#) provides a network (IP) stack capable of both TCP and UDP.

## Arduino Ethernet Shield R3 Optimized Version



The Arduino Ethernet Shield allows an Arduino board to connect to the internet. It is based on the [WIZnet W5100 Ethernet chip](#). The WIZnet W5100 provides a network (IP) stack capable of both TCP and UDP. It supports up to four simultaneous socket connections. Use the Ethernet library to write sketches which connect to the internet using the shield. The ethernet shield connects to an Arduino board using long wire-wrap headers which extend through the shield. This keeps the pin layout intact and allows another shield to be stacked on top. The most recent revision of the board exposes the 1.0 pinout on rev 3 of the Arduino UNO board.

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