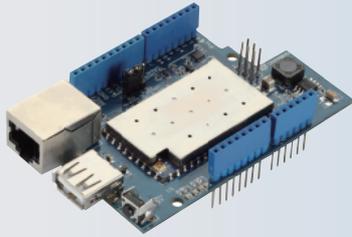


# Linux, WiFi shield for Arduino

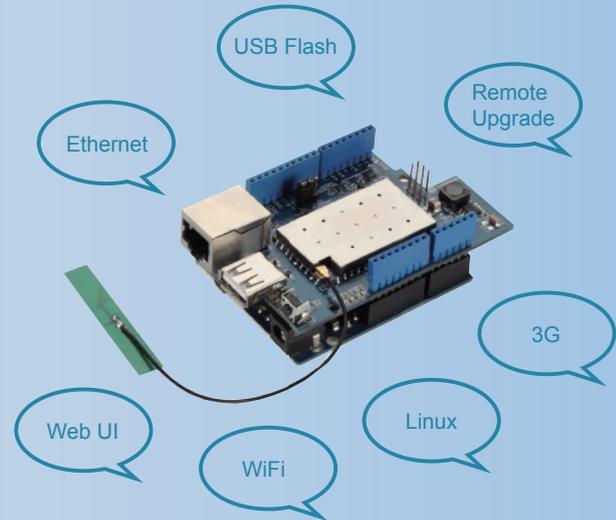
## Yun Shield



Yun Shield



Arduino



Arduino Yun Compatible Board

## OVERVIEW:

Yun Shield is one of the most powerful shields for Arduino. Yun Shield is designed to solve the Internet connectivity and storage issue for Arduino. With Yun Shield, user is able to play/evaluate/demo various IoT solutions. The core of Yun Shield is the Dragino HE WiFi IoT Module, if user want to turn their prototype to production, they can do it with HE module in low cost and short time.

Yun Shield runs Open Source OpenWrt system. It is fully compatible with Arduino IDE v1.5.4 or later. With Yun Shield, user can program/debug Arduino boards via WiFi and connect Arduino projects to Internet easily. Yun Shield is the ideally choice for Arduino Projects which require various internet connections and more storage.

Arduino IDE provide easy to use libraries for Yun Shield and lots of examples. With these libraries, user can finish the commnucation between Linux and AVR easily.

Basically, Yun Shield + Leonardo equals to the official Arduino Yun, but Yun Shield is more flexible because it can work with other Arduino boards such as Uno, Duemilanove etc. Yun Shield use external wifi antenna which provides stability and possibility for various installations.

## Features:

- Open source Linux (OpenWrt) inside
- Low power consumption
- Compatible with Arduino IDE 1.5.4 or later, user can program, debug or upload sketch to Arduino board via Arduino IDE.
- Managed by Web GUI, SSH via LAN or WiFi
- Software upgradable via network
- Built-in web server
- Support internet connection via LAN port, WiFi or 3G dongle
- Support USB flash to provide storage for Arduino projects
- Failsafe design provides robustly system
- Compatible with Arduino Leonardo, Uno, Duemilanove, Diecimila, Mega

## Specification:

- Processor: 400MHz, 24K MIPS
- Flash: 16MBytes
- RAM: 64MBytes
- Power Input: 7v ~ 15v via Arduino VIN pin
- 1 x 10M/100M RJ45 connector
- 150M WiFi 802.11 b/g/n
- Digital I/O pins x 15
- External Antenna via I-Pex connector
- 1 x USB 2.0 host connector
- 1 x Reset button
- Compatible with 3.3v or 5v I/O Arduino