



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



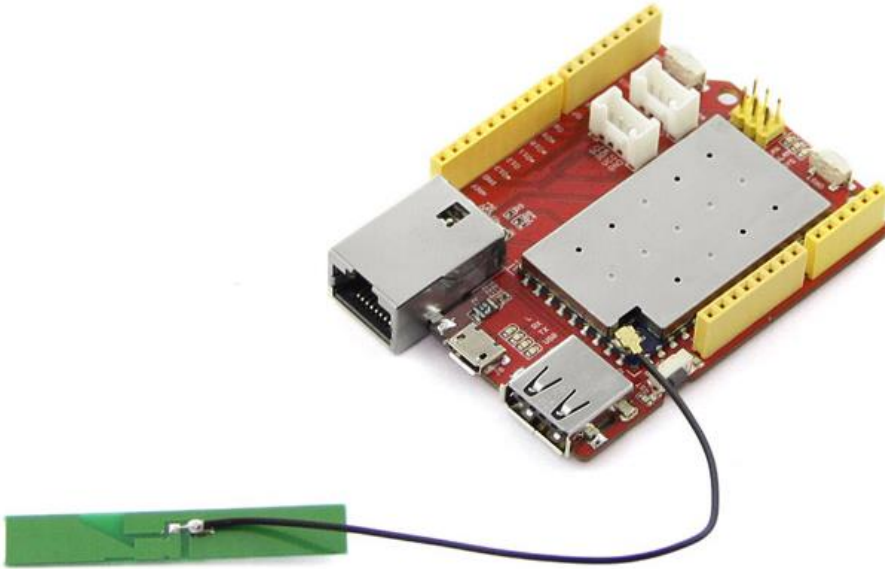
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Seeeduino Cloud - Arduino Yun compatible openWRT controller

SKU 102010021

Seeeduino Cloud is a microcontroller board based on Dragino WiFi IoT module HE and ATmega32u4. HE is a high performance, low cost 150M, 2.4G WiFi module which means “core” in Chinese and with an Open Source OpenWrt system inside. Seeeduino Cloud is also an Arduino compatible board, 100% compatible with Grove, shield and IDEs(Arduino IDE 1.5.3 and later). Except for the normal interface of Arduino, Seeeduino Cloud has built-in Ethernet and WiFi support, a USB-A port which makes it very suitable for those prototype design that needs network connection and mass storage. It is also a good idea to make Seeeduino Cloud to an IoT gateway.

Features

- Compatible with Arduino Yun
- Based on Dragino WiFi IoT module HE
- Open Source OpenWrt system inside
- Support 2.4Ghz WiFi, 802.11 b/g/n
- Support Ethernet
- Support USB 2.0
- Size: 75.10mm x 53.39mm x 11.50mm / 2.95"x 2.10 x 0.45"
- Working temperature: -20~60°C
- Surface color: Red

Technical Details

Dimensions	116mm x 76mm x 26mm
Weight	G.W 54g
Battery	Exclude
HE Module	
CPU	ATHEROS AR9331
Clock Speed	400MHz
RAM	64MB
Flash	16MB
OS	Open Source OpenWrt
Interfaces	2 x RJ45, 1 x USB Host, 1 x UART, 14 multiplex GPIOs
Power	3.3V power input
WiFi	Support 150M 2.4Ghz WiFi, 802.11 b/g/n
AVR Arduino Microcontroller	
Microcontroller	ATmega32u4

Flash Memory	32KB
SRAM	2.5kB
EEPROM	1kB
Clock Speed	16MHz
Digital I/O Pins	20
PWM Channels	7
Analog Input Channels	12

Part List

Seeeduino Cloud	1
Antenna	1

Documents

- [Schematic](#)
- [Seeeduino Cloud Eagle file](#)
- [Seeeduino Cloud Firmware](#)