



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](#)