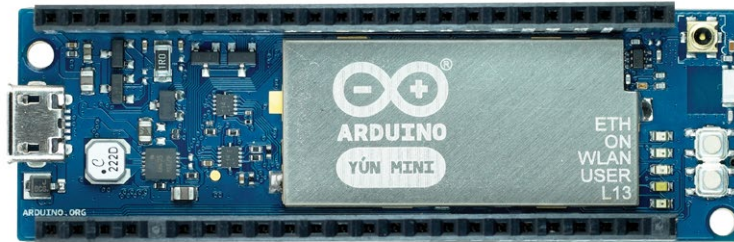




Arduino Yun Mini



Overview

Arduino Yun Mini is a breadboard PCB developed with ATmega 32u4 MCU and QCA MIPS 24K SoC CPU operating up to 400 MHz. Qualcomm Atheros CPU supports a Linux distribution based on OpenWRT named Linino. The board has built-in WiFi (IEEE 802.11b/g/n operations up to 150Mbps 1x1 2.4 GHz) supports 20 digital input/output pins (of which 7 can be used as PWM outputs and 12 as analog inputs), a 16 MHz crystal oscillator, a micro USB connector, an ICSP header, two reset buttons and one user button.

Description

AVR Microcontroller

| | |
|-------------------------|------------|
| Microcontroller | ATmega32u4 |
| Operating voltage | 5V |
| Input voltage | 5V |
| Digital I/O pins | 20 |
| PWM channels | 7 |
| Analog input channels | 12 |
| DC current per I/O pin | 40 mA |
| DC current for 3.3V pin | 50 mA |
| Flash memory | 32 KB |
| SRAM | 2.5 KB |
| EEPROM | 1 KB |
| Clock speed | 16 MHz |

Linux Processor

| | |
|---------------------------|---|
| Processor | Atheros AR9331, MIPS 24K processor operating at up to 400 MHz |
| WiFi | IEEE 802.11b/g/n |
| RAM | 64 MB DDR2 |
| Flash memory | 16 MB |
| Operating voltage | 3.3V typ.380mA (113~570 mA) |
| Input voltage (micro USB) | 4.75~5.25 V/1A |
| Temperature | Operating: 0°~60° C Storage: -10°~60° C |

Option

| | |
|----------------|--|
| dogRJ45 | IEEE 802.3 fast ethernet switch 10/100 Mbps fast ethernet port |
| dogUSB | USB A type connector with USB 2.0 hub Micro SD connector with card reader |

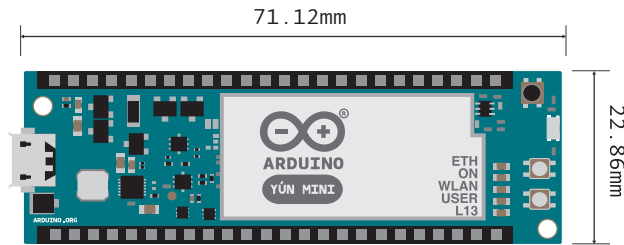


Arduino Yun Mini



Dimension

Scale 1:1



Diagram

