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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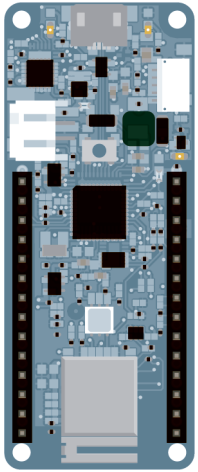

ARDUINO

1010

Want to add a WiFi interface to your devices? Get the MKR WIFI 1010.

It connects easily to other Arduino products and is configurable using Arduino software — and you don't need to be a network expert. This is the newest version of the MKR 1000 WIFI, but with an ESP32 module on board made by U-BLOX.

STORE ARDUINO CC ARDUINO MKR WIFI 1010

ARDUINO

1010

The MKR WIFI 1010 is a significant improvement on the MKR 1000 WIFI. It's equipped with an ESP32 module made by U-BLOX. This board aims to speed up and simplify the prototyping of WiFi based IoT applications thanks to the flexibility of the ESP32 module and its low power consumption.

The MKR WIFI 1010 includes 32-bit computational power, the usual rich set of I/O interfaces, and low power Wi-Fi with a Cryptochip for secure communication using SHA-256 encryption. Plus, it offers ease of use Arduino Software (IDE) for code development and programming. All of these features make this board the preferred choice for the emerging IoT battery-powered projects in a compact form. Its USB port can be used to supply power (5V) to the board. It has a Li-Po charging circuit that allows the Arduino MKR WIFI 1010 to run on battery power or an external 5 volt source, charging the Li-Po battery while running on external power.

Microcontroller	SAMD21
Architecture	ARM Cortex-M0+ 32bit
Operating Voltage	3.3V
Flash Memory	256 KB
SRAM	32 KB
Clock Speed	32.768 kHz (RTC), 48 MHz
DC Current per I/O Pin	3 mA (I/O Pins)

Input Voltage	5 V
Digital I/O Pins	22
Interfaces	I2C, I2S, SPI, UART
PWM Output	12
Analog I/O Pins	7/1
Power Consumption	93 mA, 30mA (low power)
Weight	15.3 g
Product Code	ABX00023