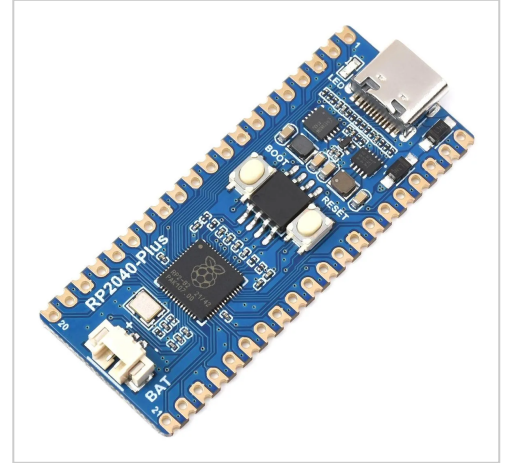


Waveshare RP2040-Plus: Pico-like MCU board, USB-C, 16MB Flash, without header

The Waveshare RP2040-Plus MCU board offers a dual-core Arm Cortex M0+ processor that reaches up to 133 MHz and 26 multifunctional GPIO pins. With 16MB of flash memory, a modern USB-C connector, a charging socket and a high-current DC-DC chip, the Wave...



Product number WS-23503

Weight 0.004kg

Product description

The Pico-like MCU board based on the Raspberry Pi MCU RP2040, Plus version with 16MB flash

Need more flash memory for Raspberry Pi Pico? Don't like the outdated Micro USB connector? These problems are solved by the RP2040-Plus.

Like the Raspberry Pi Pico, it contains the RP2040 microcontroller with a dual-core Arm Cortex M0+ processor running at up to 133 MHz and 26x multifunction GPIO pins.

In addition, it has 16 MB of flash memory, a USB-C port, a charging socket and a DC-DC chip with higher amperage.

Features at a glance

- Based on the Raspberry Pi RP2040 microcontroller
- Features 16MB flash memory, USB-C connector, charging head and a high current DC-DC chip
- RP2040 microcontroller chip, developed by Raspberry Pi in the UK
- Dual-core Arm Cortex M0+ processor, flexible up to 133 MHz
- 264KB SRAM and onboard 16MB flash memory
- 26 × multifunctional GPIO pins
- Support for USB 1.1, low power consumption in sleep and hibernation modes
- Drag-and-drop programming via USB mass storage
- Temperature sensor and accelerated floating point libraries on board
- 8 × programmable I/O (PIO) state machines for customised peripherals

Technical specifications

- USB port: USB 2.0 x 3, data rate up to 480Mbps
- Network: 10/100 adaptive
- USB hub input: operating voltage 5V, USB-B connection
- USB output: Operating voltage 5V at I_{max}:1.2A, USB-A connection
- External power supply: Supply voltage DC 5V, DC socket connection
- Operating environment: -40°C to 85°C
- Supported operating systems: Mac OS (8.6 or higher), Linux (2.4.20 or higher), Windows 11 / 10 / 8.1 / 8 / 7 / XP

Scope of delivery

- 1x Waveshare RP2040-Plus MCU board, 16MB, without header

Product properties

Gross Weight (kg)	0.004
Zolltarifnummer	84733020
Country of Origin	China
Brand	Waveshare
Product ID	WS-23503
Manufacturer ID	RP2040-Plus-16MB
EAN	4060137081651

More images

