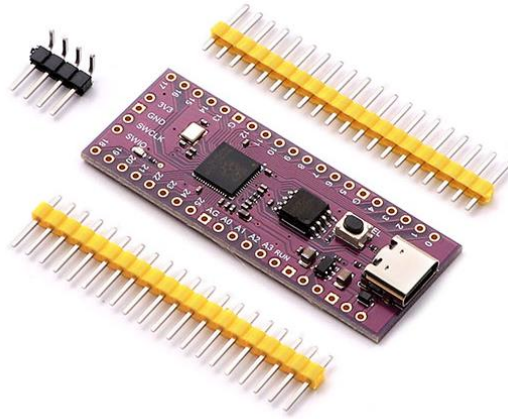


RaspberryPi

Pico RP2040 128Mbit 16MB compatible Raspberry Pi dual-core processor



Description:

RaspberryPi Pico is a low-cost, high-performance microcontroller development board with a flexible digital interface. In terms of hardware, the RP2040 microcontroller chip independently developed by Raspberry Pi is used, equipped with an ARM Cortex M0+ dual-core processor, up to 133MHz operating frequency, built-in 264KB of SRAM and 2MB of memory, and there are up to 26 onboard Multi-function GPIO pins. In the software, you can choose the C/C++ SDK provided by the Raspberry Pi, or use MicroPython for development, and complete development materials and tutorials are provided, which can facilitate quick start development and embed it into the product.

Features:

1. Using Raspberry Pi official self-designed RP2040 microcontroller chip
2. Equipped with dual-core ARM Cortex M0+ processor, operating frequency up to 133MHz flexible clock
3. Built-in 264KB of SRAM and 16MB of on-chip Flash
4. USB1.1 host and device support
5. Support low-power sleep and hibernation mode
6. Can be identified as mass storage through USB for drag-and-drop download of programs
7. Up to 30 multi-function GPIO pins
8. 2 SPI, 2 I2C, 2 UART, 4 12-bit ADC, 16 controllable PWM channels
9. Precise on-chip clock and timer
10. Temperature sensor
11. On-chip accelerated floating point library
12. 8 programmable I/O (PIO) state machines for custom peripheral support
13. MicroPython firmware has been burned, you can directly use MicroPython for development

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