seeed studio

INDUSTRIAL PRODUCT DATASHEET

Raspberry pi pico 2 W - Raspberry Pi RP2350 chip

Raspberry Pi Pico 2 is a newly launched microcontroller board from Raspberry Pi, based on the new high-performance, secure RP2350 microcontroller.

SKU	UPDATED	PRICE
102111018	2026-11-11 09:09:46	$7.00(Excl. VAT)



Overview



Raspberry Pi Pico 2 is a newly launched microcontroller board from Raspberry Pi, based on the new high-performance, secure RP2350 microcontroller. Raspberry Pi Pico 2 W adds on-board single-band 2.4GHz wireless interfaces (802.11n) using the Infineon CYW43439 to the Pico 2 hardware, providing Wi-Fi & Bluetooth wireless connectivity.

Key Features

01 **High-Performance Chip**

High-performance RP2350 microcontroller with a clock speed of up to 150MHz

02 **Wireless Connection Supported**

Incorporate Wi-Fi IEEE 802.11n wireless LAN, Soft access point supporting up to four clients, as well as Bluetooth 5.2 connection.

03 **Double Memory**

Doubled on-board SRAM capacity, reaching 520KB

04 **Double Storage**

Doubled on-board Flash storage capacity, reaching 4MB

05 **Dual-Core Architecture**

Choose between the more powerful Arm Cortex-M33 cores or open-source RISC-V Hazard3 cores

06 **Enhanced Security**

Comprehensive security architecture, supporting secure boot, hardware encryption, and more

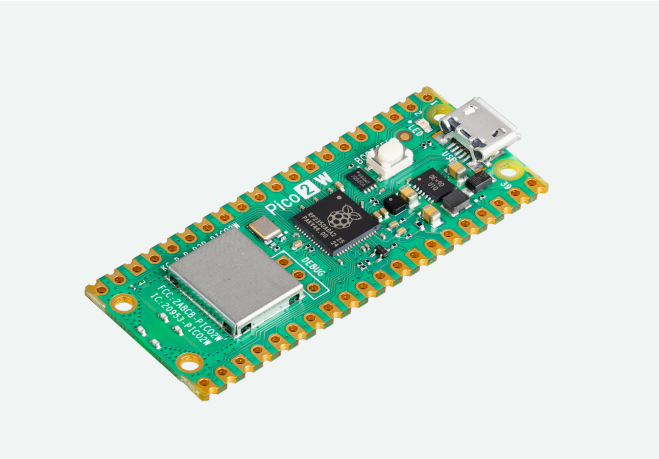
07 **Easy to Develop**

Supports C/C++ and Python programming, lowering the development barrier

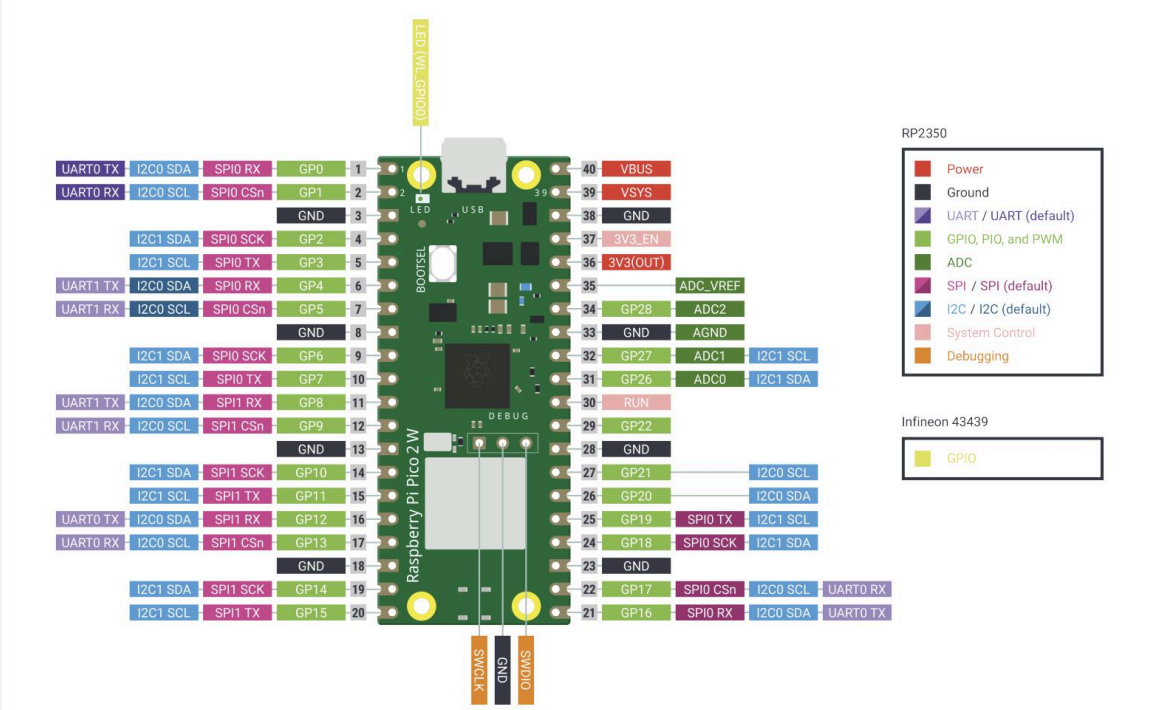
08 **Backward Compatible**

Hardware and software compatible with the Raspberry Pi Pico 1

Product Gallery



Hardware Overview



Applications

- **Intruder detection using ultra low powered thermal vision - Hackster.io**
- **Home facilities control connect with other Cost Effective RISC-V MCU with Wi-Fi, BLE - XIAO ESP32C3**
- **Machine Learning Application**
- **IoT Application**

Resource Links

- https://www.seeedstudio.com/Raspberry-Pi-Pico-2-W-p-6244.html
- Raspberry Pi Pico 2 W product brief
- Raspberry Pi Pico 2 W Documentation
- Raspberry Pi Pico 2 W Datasheet
- Raspberry Pi Pico 2 W schematic
- Raspberry Pi Pico 2 W Pinout
- Raspberry Pi Pico 2 W MicroPython SDK
- Raspberry Pi Pico 2 W C/C++ SDK
- Documents - Product Information Portal - Raspberry Pi

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com