ESP32-C6-Zero

https://www.waveshare.com/wiki/ESP32-C6-Zero

Overview

The ESP32-C6-Zero is a low-cost, high-performance microcontroller development board with a compact size and rich peripheral interfaces. Adopts ESP32-C6FH4 as the main chip, with RISC-V 32-bit single-core processor, support up to 160 MHz, and built-in 320KB ROM, 512KB HP SRAM and 16KB LP SRAM. It can be compatible with multiple peripheral devices and is easier to use in different application scenarios.
You can choose ESP-IDF development environment or Arduino IED for development so that you can easily and quickly get started and apply it to the product.

Features

- Adopts ESP32-C6FH4 chip, with RISC-V 32-bit single-core processor, support up to 160 MHz.
- Integrated 320KB ROM, 512KB HP SRAM, 16KB LP SRAM and 4MB Flash memory.
- Integrated 2.4GHz WiFi 6 and BLE (Bluetooth LE) dual-mode wireless communication, with superior RF performance.
- Type-C connector, easier to use.
- Rich peripheral interfaces, better compatibility and expandability.
- Castellated module allows soldering directly to carrier boards.
- Support multiple low-power modes, adjustable balance between communication distance, data rate and power consumption to meet the power requirements of various application scenarios.