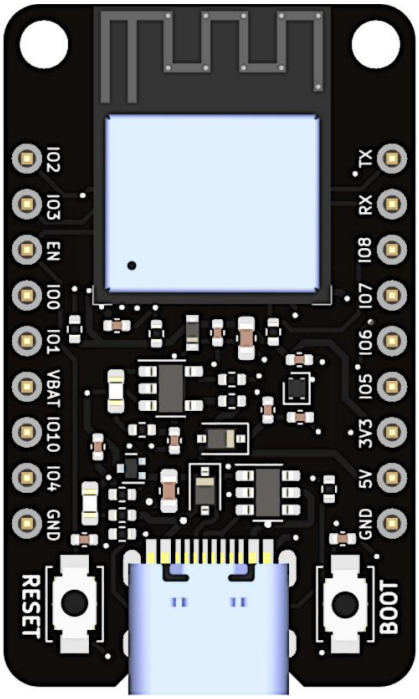
Quick Start Guide
ESP32-C3 Development Board



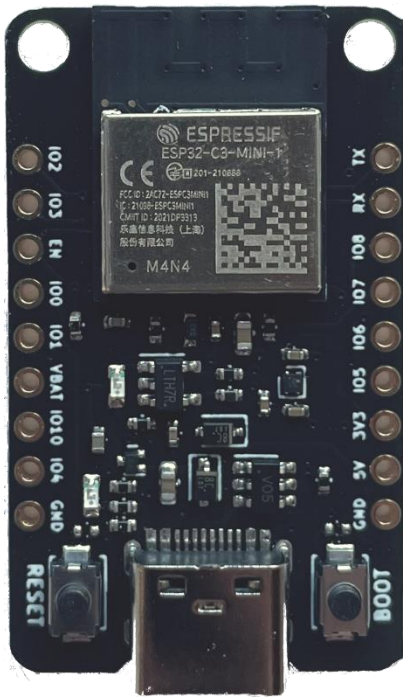


Table of Contents

jnr-technology/ESP32-C3 (github.com)

Description

Overview

- Development Board with ESP32-C3-MINI-1-N4 Modul
- Single-Core CPU up to 160MHz with PCB-Antenna
- 4MB Flash, 384KB ROM, 400KB SRAM und 8KB SRAM in RTC
- Simpe programming with Arduino DIE or VS-Code
- WiFi 2.4GHz (IEEE 802.11 b/g/n) and Bluetooth LE/Bluetooth Mesh
- Perfect for iOT-Applications
- Power Input and programming via USB-TYP-C
- Reset and Boot Button, for getting into Download Mode
- Integrated Battery Power Management IC. Battery charging via USB Connector.
- Output Voltage 5V and 3,3V
- 12 programmable GPIOS
- I2C, SPI, USART Communication Interfaces for Sensors, actuators displays etc.
- Included Pin Headers 2x9

Power Delivery

- Regulated Powerinput 5V (min. 500mA)
- Powerinput via VBAT-Pin with Li-Po/Li-Ion Battery (Max 4.2V).
- On Board 3.3V 700mA Voltage Regulator

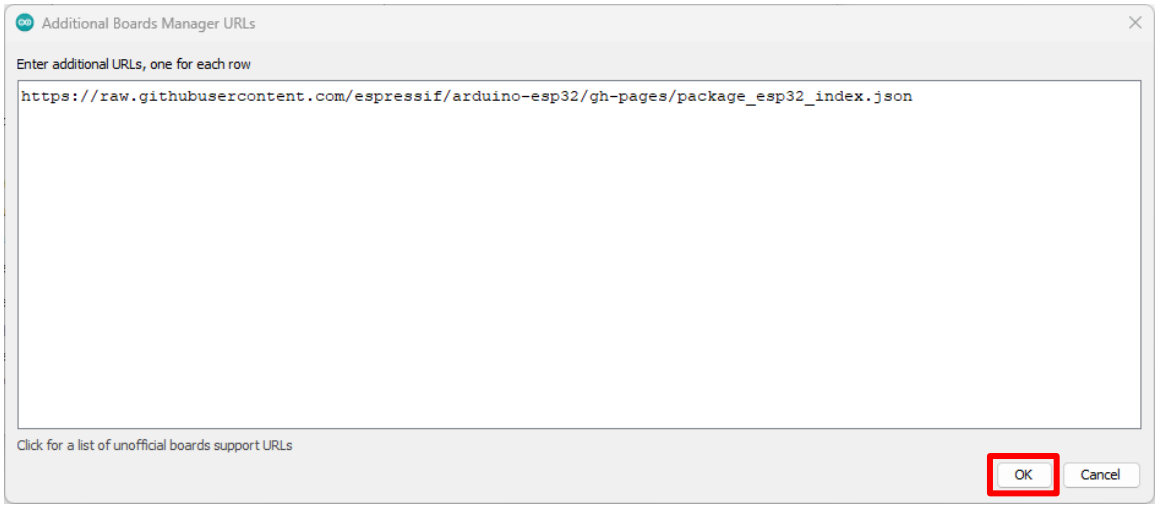
Setup Arduino IDE

Step 1: Open Arduino IDE

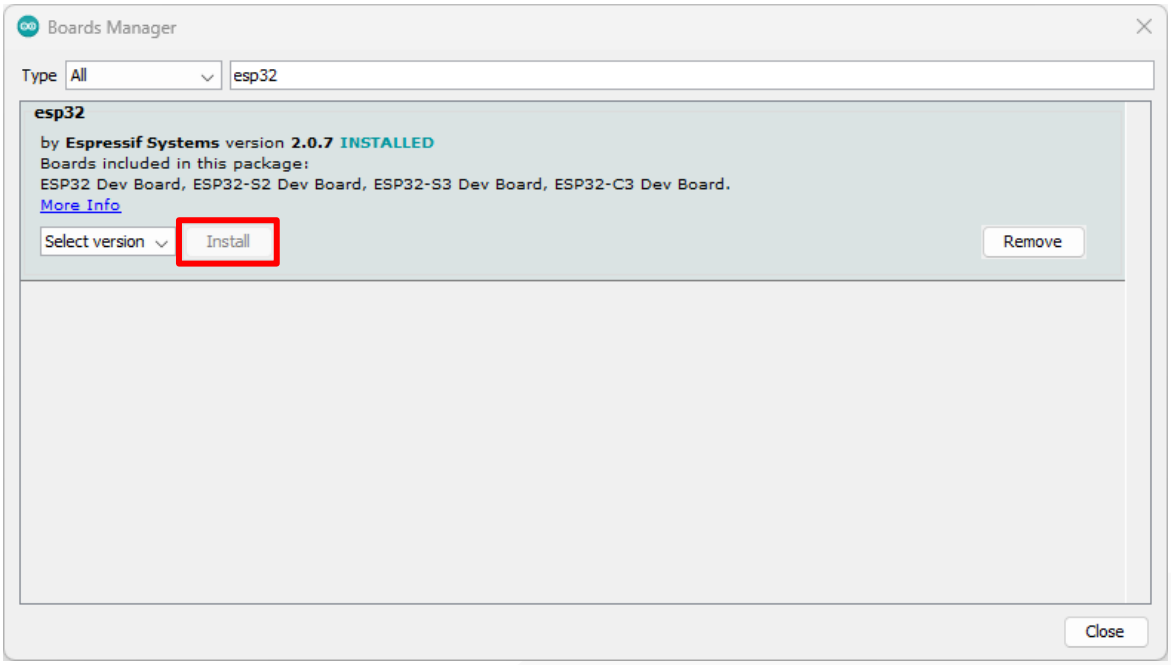
Step 2: File -> Preferences

Step 3: Add following link to the Board Manager-URLs and confirm with **OK.**

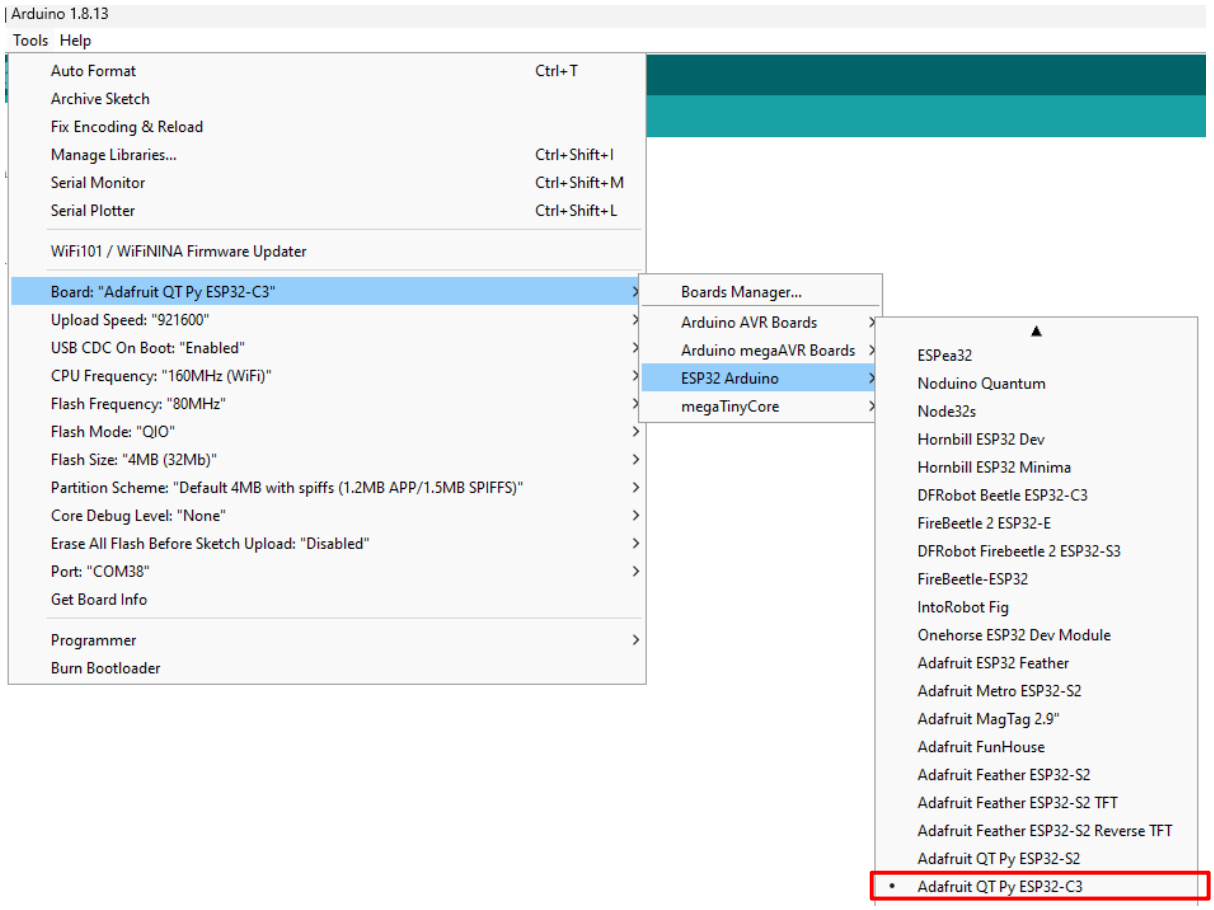
https://raw.githubusercontent.com/espressif/arduino-esp32/gh-pages/package_esp32_index.json



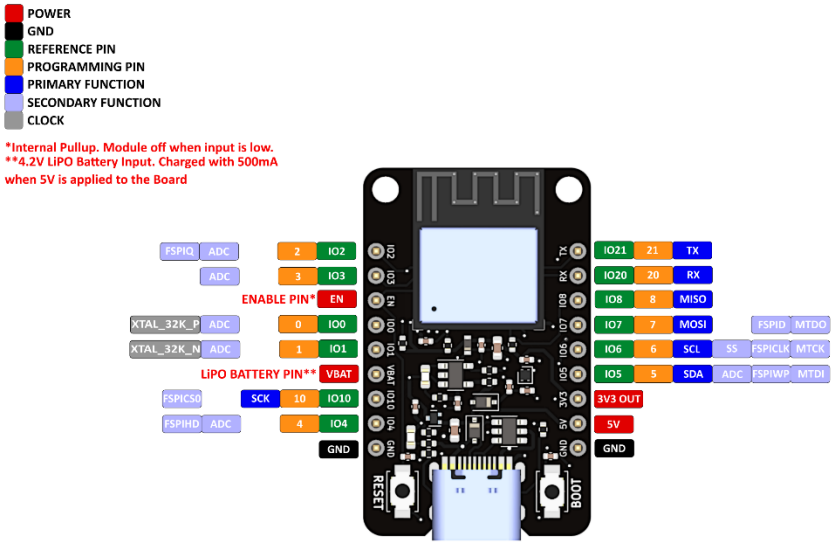
Step 4: Open the Board Manager and search for **esp32**. Then press Install.



Step 5: Choose Tools -> Board -> ESP32 Arduino -> Adafruit QT Py ESP32-C3.



ESP32-C3 Dev Board Pinout



ESP32-C3 Board Dimensions