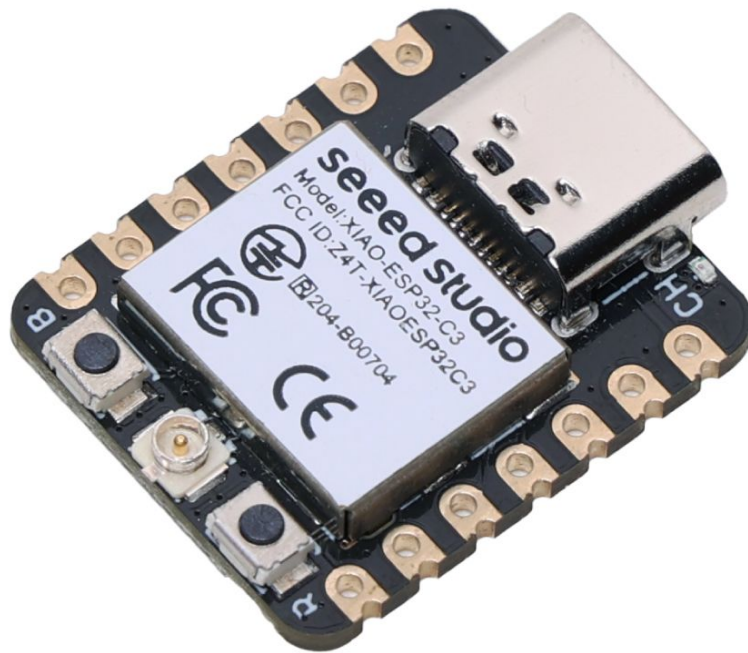


Seeed Studio XIAO ESP32C3 - Complete Wi-Fi subsystem & BLE(Bluetooth Low Energy) function, Battery Charge supported, Ultra low power mode, Rich Interface

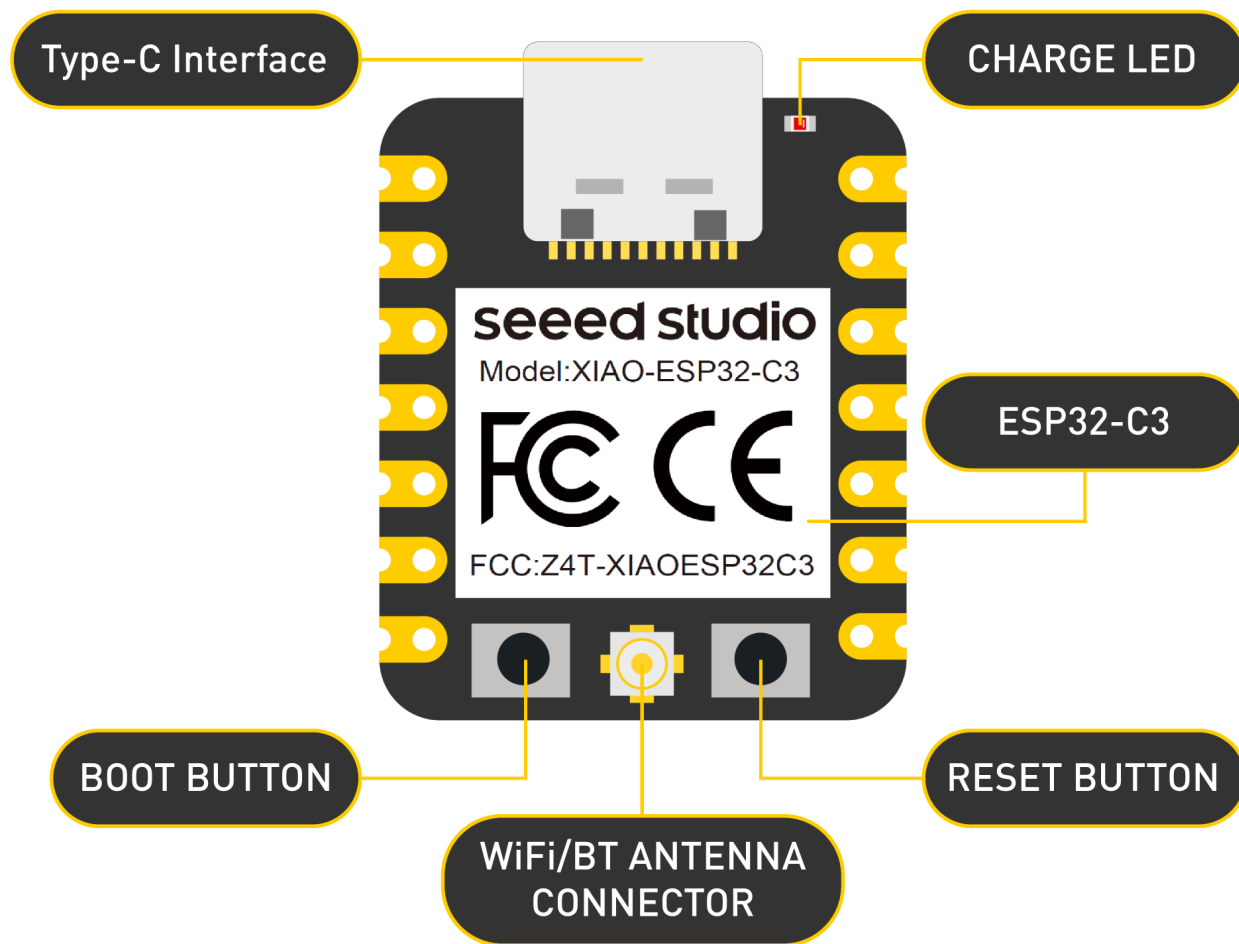


Feature

- **Flexible MCU Board:** Incorporate the ESP32-C3 32-bit RISC-V chip, operating up to 160 MHz, mounted multiple development ports, supported by Arduino / CircuitPython
- **Outstanding RF performance:** Implement complete Wi-Fi functions and Bluetooth Low Energy, while supporting communication over 100m with a U.FL antenna
- **Elaborate Power Design:** Provide 4 working modes as low as 44 μ A in deep sleep mode, while supporting lithium battery charge management
- **Thumb-sized Design:** 21 x 17.5mm, Seeed Studio XIAO series classic form factor, suitable for wearable devices
- **Perfect for Production:** Breadboard-friendly & SMD design, no components on the back

Specification

Parameter	Description
Processor	ESP32-C3 SoC RISC-V single-core 32-bit chip processor with a four-stage pipeline that operates at up to 160 MHz
Wireless	Complete 2.4GHz Wi-Fi subsystem Bluetooth 5.0/ Bluetooth mesh
On-chip Memory	400KB SRAM & 4MB Flash
Interface	1x UART, 1x IIC, 1x IIS, 1x SPI, 11x GPIO(PWM), 4x ADC 1x Reset button, 1x Boot button
Dimensions	21 x 17.5mm
Power	Circuit operating voltage: 3.3V@200mA Charging current: 50mA/100mA Input voltage (VIN): 5V
Deep Sleep Power Consumption	Deep Sleep Model: >44 μ A
Wi-Fi Enabled Power Consumption	Active Model: <75 mA Modem-sleep Model: <25 mA Light-sleep Model: <4 mA
BLE Enabled Power Consumption	Modem-sleep Model: <27 mA Light-sleep Model: <10 mA
Working Temperature	-40°C ~ 85°C



Part List

Seed Studio XIAO ESP32C3	x1
Antenna	x1

ECCN/HTS

HSCODE	8543709990
USHSCODE	8543708800
UPC	
EUHSCODE	8543709099
COO	CHINA
CE	1
EU DoC	1

FCC	1
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REACH	1
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RoHS	1
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TELEC	1
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UK DoC	1
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