seeed studio

INDUSTRIAL PRODUCT DATASHEET

Seeed Studio XIAO ESP32-S3 (3PCS)

Seeed Studio XIAO ESP32-S3 leverages 240MHz Xtensa 32-bit LX7 dual-core processor, supporting both WiFi and BLE 5.0 wireless connectivities, a 2.4GHz Rod antenna, allows for deep sleep mode with power consumption as low as...

SKU	UPDATED	PRICE
102010573	2026-11-11 09:03:59	$19.90(Excl. VAT)



Overview



Seeed Studio XIAO ESP32-S3 leverages 240MHz Xtensa 32-bit LX7 dual-core processor, supporting both WiFi and BLE 5.0 wireless connectivities, a 2.4GHz Rod antenna, allows for deep sleep mode with power consumption as low as 14μA while supporting lithium battery charging management. Ideal for the Internet of Things, Smart Homes, Wireless wearable devices, Robotics, etc. This is the 3PCS version of it.

Key Features

01 **Powerful MCU Board**

Incorporate the ESP32-S3 32-bit, dual-core, Xtensa processor running at up to 240MHz, mounted multiple development ports, Arduino / MicroPython supported

02 **Outstanding RF performance**

Supports 2.4GHz WiFi and BLE 5.0 dual wireless communication, supports 100m+ remote communication when connected with U.FL antenna

03 **Elaborate Power Design**

Lithium battery charge management capability, offers 4 power consumption model which allows for deep sleep mode with power consumption as low as 14μA

04 **Thumb-sized Compact Design**

21 x 17.8mm, adopting the classic form factor of XIAO, suitable for space limited projects like wearable devices

05 **Perfect for Production**

Breadboard-friendly & SMD design, no components on the back

06 **Production-Ready Design with Fusion PCBA Support**

07 **We already have 15 XIAO MCUs based on popular chipsets of SAMD21, nRF52840, ESP32-C3, ESP32-S3, and ESP32-C6. To help you better understand the differences and choose the most suitable one for your projects, pleasev visit the Seeed Studio XIAO Series Page.**

08 **XIAO Premium 3pcs Pack with Pin-Headers——Free shipping**

09 **Warehouse**

10 **Shipping Policy**

< 2kg

11 **Carrier**

➢ China POST

12 **Delivery time**

15-45 working days

Product Gallery



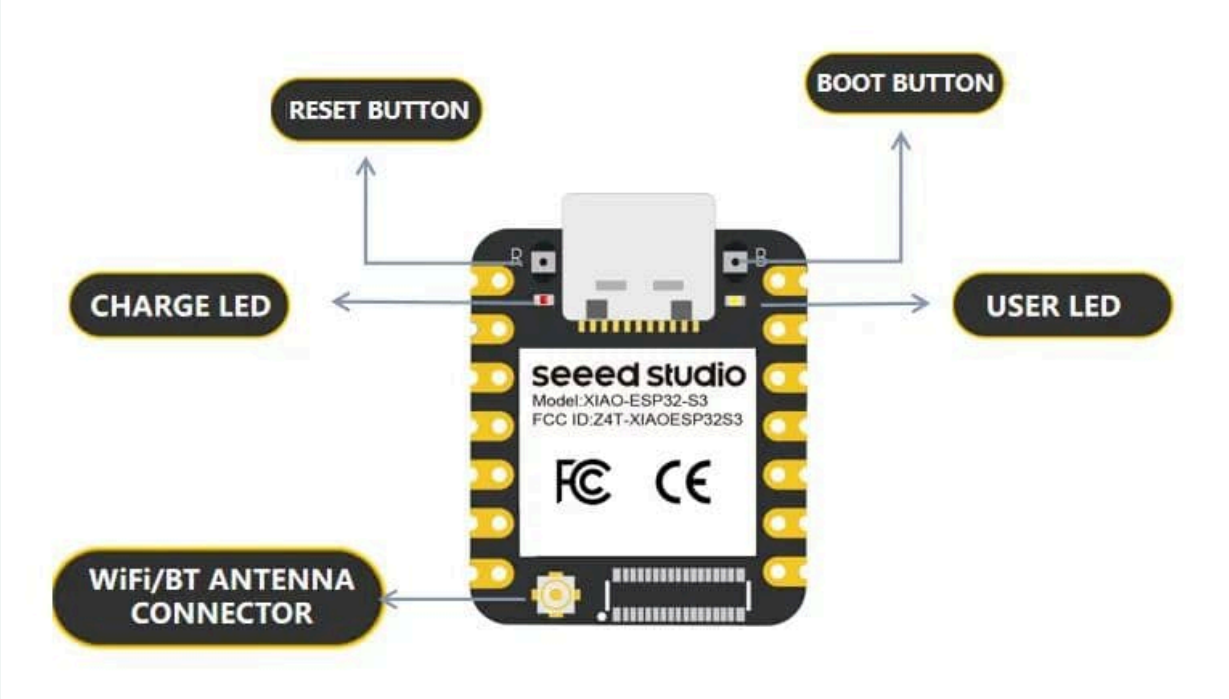


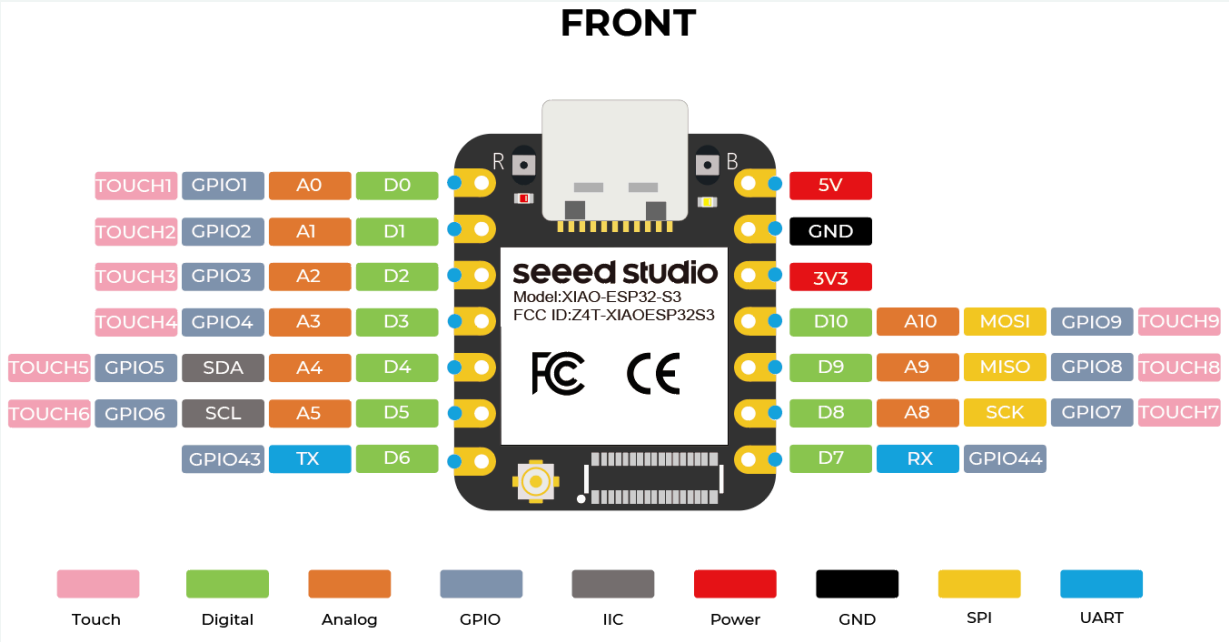






Hardware Overview





Applications

- **Internet of Things**
- **Wearable devices**
- **Smart Homes**
- **Robotics**
- **Health Monitoring**
- **Education**
- **Low-Power(LP) networking**
- **Rapid prototyping**

Resource Links

- https://www.seeedstudio.com/Seeed-Studio-XIAO-ESP32S3-3PCS-p-5919.html
- TinyML Case Studies
- 3D Printing "Case" Studies
- Wiki-XIAO ESP32-S3 Series Resources
- Seeed Studio XIAO Use Case

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