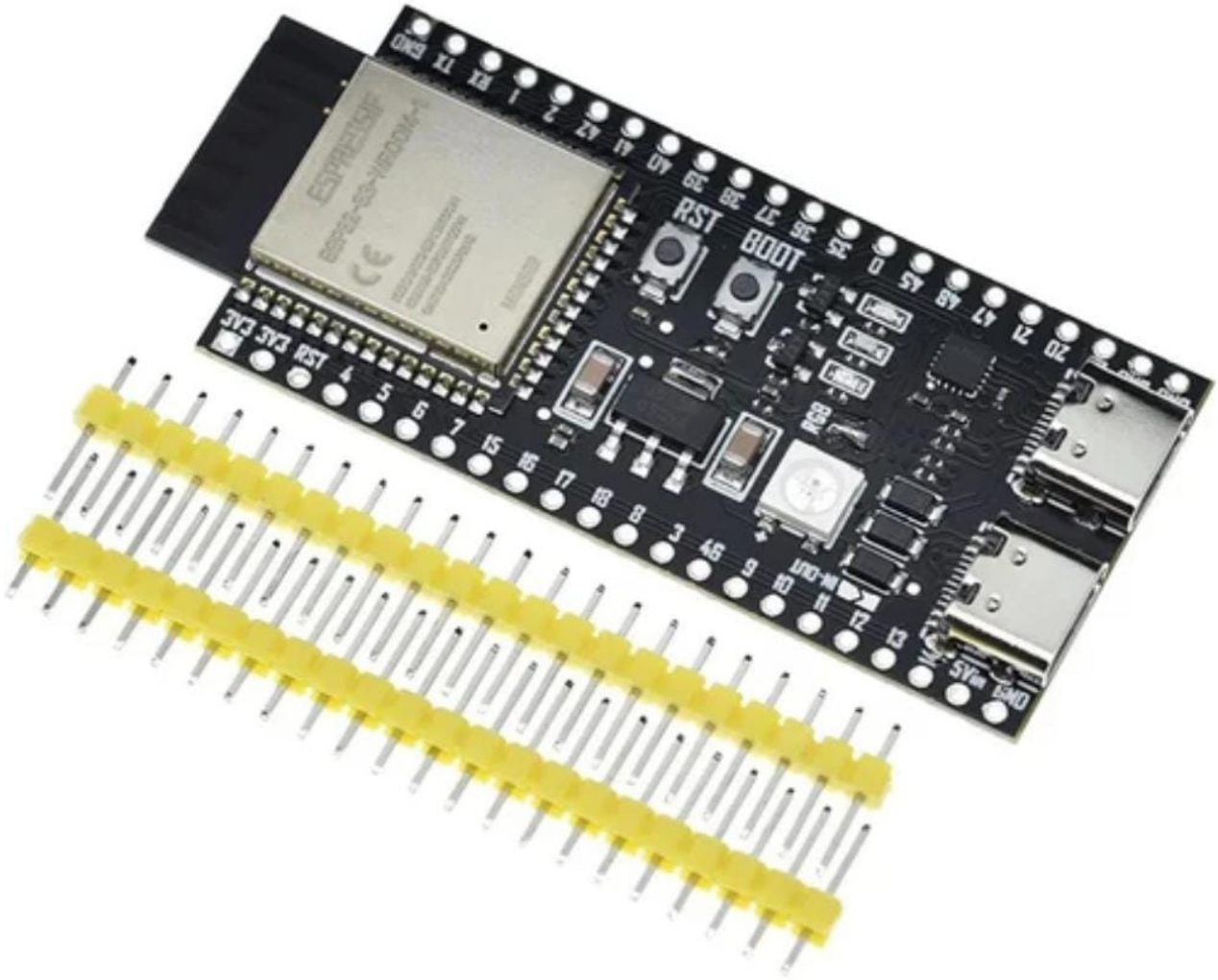
Electronics Pro ESP32 S3 Module Owner's Manual

Contents

Electronics Pro ESP32 S3 Module



Product Usage Instructions

- To download program files (burn firmware) for ESP32-S3:
- Connect the ESP32-S3 to your computer using the USB interface or onboard hardware USB to the serial port.
- In a Windows environment, use the official flash_download_tool_xxx software to download the programs.
- Both TYPE-C USB ports on the board can be used for downloading programs. They operate in USB mode and UART mode.

Caution

- Any changes or modifications to the device not approved by the manufacturer may void your authority to operate the equipment.
- This device complies with FCC rules and regulations. Please ensure a minimum distance of 20cm between the radiator and your body during installation and operation.

FAQ

- **Q: How can I download program files for ESP32-S3?**
  - **A:** You can download program files through the ESP32 direct USB interface or the onboard hardware USB to serial port using the official flash_download_tool_xxx software in a Windows environment.
- **Q: What are the specifications of the ESP32 S3 Module?**
  - **A:** The ESP32 S3 Module has 384 KB ROM, 512 KB SRAM, 16 KB SRAM in RTC, and supports up to 8

MB PSRAM.

Please enter “ESP32 S3 Module” in the URL below to get detailed instructions.

ESP32 S3 Module

Features

- CPU and OnChip
- Memory
- ESP32-S3 series of SoCs embedded, Xtensa® dual-core
- 32-bit LX7 microprocessor, up to 240MHz
- 384 KB ROM
- 512 KB SRAM
- 16 KB SRAM in RTC
- Up to 8 MB PSRAM

How to download

How to download ESP32-S3?:

- ESP32-S3 can download program files (burn firmware) through the ESP32 direct USB interface, or the onboard hardware USB to serial port. In short, both TYPE-C USB ports on the board can download programs.
- In the Windows environment, you can download through the official flash_download_tool_xxx software.
- Note that the two USB port modes are called USB mode and UART mode.

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, according to part 15 of the FCC Rules. These limits are designed to provide reasonable protection againstharmful interference in a residential installation. This equipment generates, uses, and can radiateradio frequency energy and, if not installed and used per the instructions, maycause harmful interference to radio communications. However, there is no guarantee thatinterference will not occur in a particular installation. If this equipment does cause harmfulinterference to radio or television reception, which can be determined by turning the equipmentoff and on, the user is encouraged to try to correct the interference by one or more of thefollowing measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by the manufacturer could void your authority to operate this equipment.
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

- Web:www.ainewiot.com

Documents / Resources

	Electronics Pro ESP32 S3 Module [pdf] Owner's Manual YY1-0163, 2BM37-YY1-0163, 2BM37YY10163, ESP32 S3 Module, ESP32, S3 Module, Module

References

- -
- User Manual