

Manual



EN: Please enter "ESP32 Module" in the URL below to get detailed instructions.

DE: Für detaillierte Anweisungen geben Sie bitte "ESP32 Modul" in die untenstehende URL ein.

FR : Veuillez saisir "Module ESP32" dans l'URL ci-dessous pour obtenir des instructions détaillées.

IT: inserisci "Modulo ESP32" nell'URL seguente per istruzioni dettagliate.

ES: Introduzca "Módulo ESP32" en la siguiente URL para obtener instrucciones detalladas.

NL: Voer "ESP32-module" in de onderstaande URL in voor gedetailleerde instructies.

Web: www.ainewiot.com



ESP32 Module

1.Features:

CPU and On-Chip Memory

ESP32 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

2.How to download ESP32?:

ESP32 can download program files (burn firmware) through the ESP32 direct USB interface, or through 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.

ESP32 Modul

1.Funktionen:

CPU und OnChip-Speicher

ESP32-Serie von eingebetteten SoCs, Xtensa®

Dual-Core 32-Bit LX7 Mikroprozessor, bis zu 240 MHz

384 KB ROM

512 KB SRAM

16 KB SRAM in RTC

Bis zu 8 MB PSRAM

2. So laden Sie ESP32 herunter?:

ESP32 kann Programmdateien (Firmware brennen) über die direkte USB-Schnittstelle des ESP32 oder über den integrierten USB-zu-Seriell-Anschluss der Hardware herunterladen. Kurz gesagt können beide TYPE-C-USB-Anschlüsse auf der Platine Programme herunterladen.

In der Windows-Umgebung können Sie über die offizielle Software `flash_download_tool_xxx` herunterladen. Beachten Sie, dass die beiden USB-Anschlussmodi USB-Modus und UART-Modus heißen.

Module ESP32

1. Fonctionnalités:

CPU et mémoire sur puce

Série de SoC ESP32 intégrée, microprocesseur

Xtensa® double cœur 32 bits LX7, jusqu'à 240 MHz

384 Ko de ROM

512 Ko de SRAM

16 Ko de SRAM dans RTC

Jusqu'à 8 Mo de PSRAM

2. Comment télécharger ESP32?:

L'ESP32 peut télécharger des fichiers de programme (graver le micrologiciel) via l'interface USB directe de l'ESP32 ou via le port USB vers série intégré. En bref, les deux ports USB TYPE-C de la carte peuvent télécharger des programmes.

Dans l'environnement Windows, vous pouvez télécharger via le logiciel officiel `flash_download_tool_XXX`. Notez que les deux modes de port USB sont appelés mode USB et mode UART.

Modulo ESP32

1. Caratteristiche:

CPU agus Cuimhne OnChip

Sraith ESP32 de SoCanna leabaithe, microprocessor dé-lárnach 32-giotón LX7 Xtensa®, suas le 240MHz

384 KB ROM

512 KB SRAM

16 KB SRAM i RTC

Suas go dtí 8 MB PSRAM

2. Come scaricare ESP32?:

ESP32 può scaricare file di programma (masterizzare firmware) tramite l'interfaccia USB diretta ESP32 o

tramite la porta USB-seriale hardware integrata. In breve, entrambe le porte USB TYPE-C sulla scheda possono scaricare programmi.

Nell'ambiente Windows, puoi scaricare tramite il software ufficiale `flash_download_tool_xxx`. Nota che le due modalità della porta USB sono chiamate modalità USB e modalità UART.

Módulo ESP32

1.Characterísticas:

CPU en OnChip-geheugen

ESP32-serie van SoC's ingebed, Xtensa® dual-core

32-bit LX7-microprocessor, tot 240 MHz

384 KB ROM

512 KB SRAM

16 KB SRAM in RTC

Tot 8 MB PSRAM

2.Cómo descargar ESP32?:

El ESP32 puede descargar archivos de programa (grabar firmware) a través de la interfaz USB directa del ESP32 o a través del puerto USB a serie del hardware integrado. En resumen, ambos puertos USB TIPO C de la placa pueden descargar programas.

En el entorno de Windows, puede descargar a través del

software oficial `flash_download_tool_xxx`. Tenga en cuenta que los dos modos de puerto USB se denominan modo USB y modo UART.

ESP32-module

1.Kenmerken:

CPU en OnChip-geheugen

ESP32-serie van SoC's ingebed, Xtensa® dual-core

32-bit LX7-microprocessor, tot 240 MHz

384 KB ROM

512 KB SRAM

16 KB SRAM in RTC

Tot 8 MB PSRAM

2.Hoe ESP32 te downloaden?:

ESP32 kan programmabestanden downloaden (firmware branden) via de ESP32 directe USB-interface of via de onboard hardware USB naar seriële poort. Kortom, beide TYPE-C USB-poorten op het bord kunnen programma's downloaden.

In de Windows-omgeving kunt u downloaden via de officiële `flash_download_tool_xxx`-software. Let op dat de twee USB-poortmodi USB-modus en UART-modus worden genoemd.

FCC Warning:

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into 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 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 minimum distance 20cm between the radiator and your body.