

ESP-IDF is Espressif's official IoT Development Framework for the **ESP32**, **ESP32-S**, **ESP32-C**, **ESP32-H**, and **ESP32-P** series, powering millions of connected devices with a reliable and flexible SDK for C/C++ development.

Free and open-source, stable releases, complete documentation, 400+ ready to use examples, and community support.



Release support schedule

ESP-IDF follows a release process with major, minor and bugfix releases. Each minor and major release comes with a migration guide.



Each ESP-IDF release is supported for 30 months from its stable release date.

Supported since

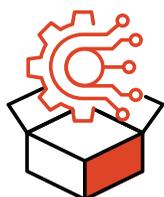
ESP32-C5	v5.5.2
ESP32-C61	v5.5.2
ESP32-P4	v5.3

The following chips are supported in the oldest supported version (**v5.2 or newer**)

ESP32	ESP32-C2	ESP32-C3
ESP32-C6	ESP32-H2	ESP32-S2
ESP32-S3		

Easily install on your favorite operating system

The ESP-IDF Installation Manager (EIM) is a **unified tool that simplifies the setup process** for ESP-IDF and integrated development environments (IDEs) across multiple platforms.



Supported on:

- Windows (x64)
- macOS (x64, arm64)
- Linux (x64, arm64)

Find the most exciting ESP-IDF components

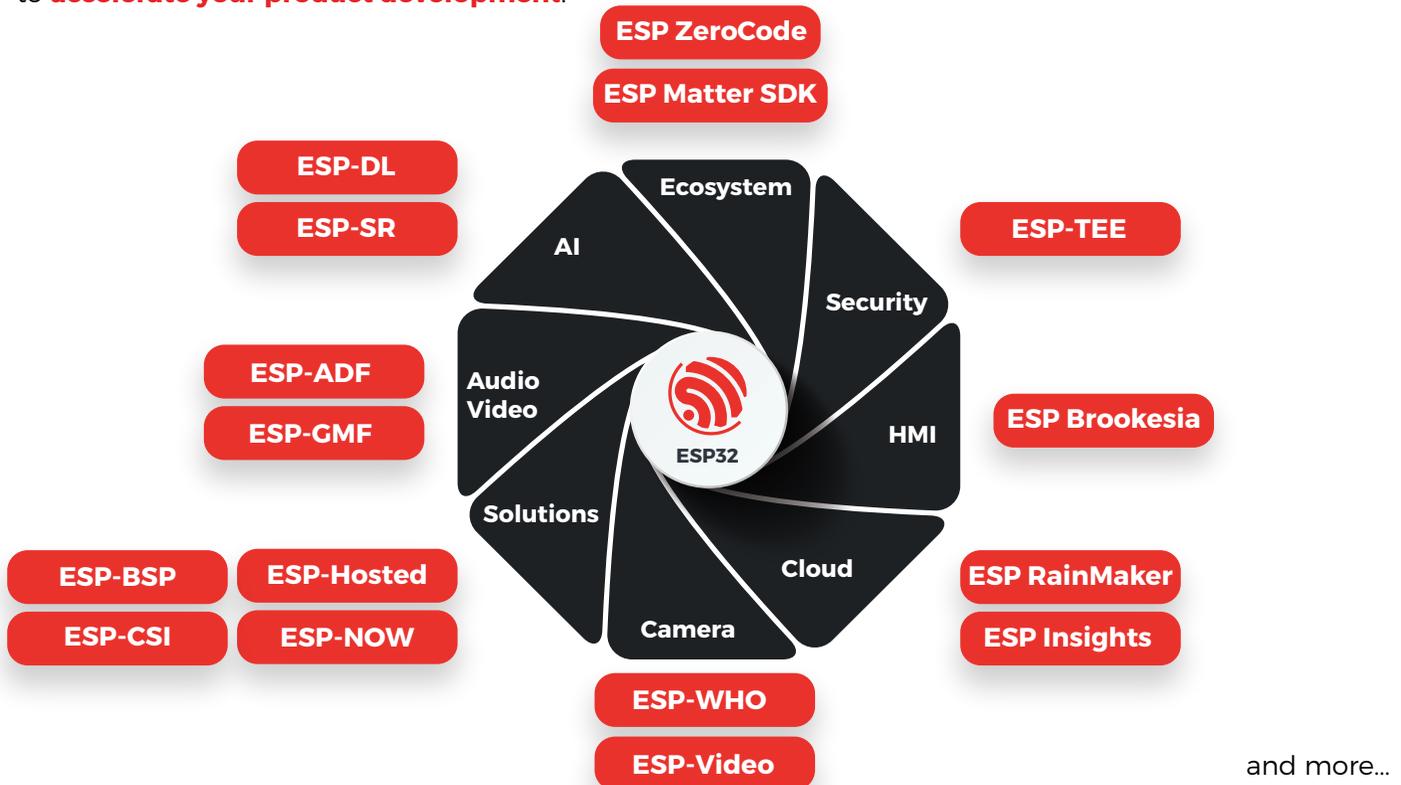
Discover, download and publish components and examples for ESP-IDF.

Explore more than 1400 components and easily to your project!



Build your next product more efficiently

With **ESP-IDF frameworks**, you can focus on your business and use our complete set of frameworks to **accelerate your product development**.



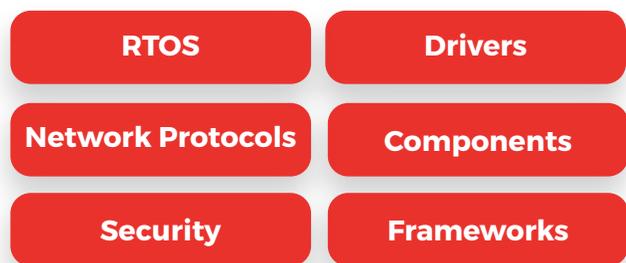
Advanced development environment

Kickstart your development with powerful tools.



Accelerate Time to Market

Unlock powerful resources for **faster ESP-IDF development** with integrated features, frameworks, and tools.



Do you want to learn more about Espressif Solutions?

Explore our solutions on the Developer Portal and access a full library of free articles, tutorials, news, and workshops for the community.

Stay tuned for the next  **ESPRESSIF DevCon2026**

Try out our **ChatBot** now!

