

## Arduino<sup>®</sup> Core

### Espressif's Arduino<sup>®</sup> Core

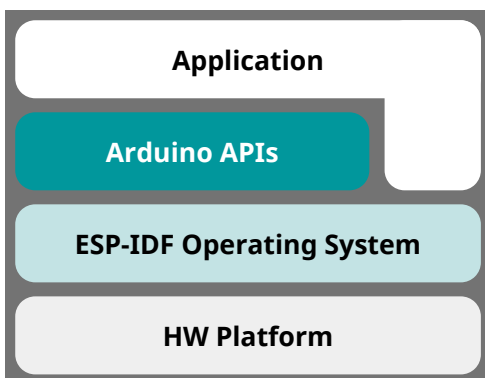
Espressif's **Arduino Core** integrates seamlessly into ESP-IDF projects, allowing the use of Arduino ecosystem libraries alongside ESP-IDF.

This enables a smooth transition from prototype to production by gradually migrating parts of your project while continuing to leverage Arduino libraries where needed.

The Arduino ecosystem unites a vast community of creators, professionals, and developers—from beginners to experts.

### Component and Features

Arduino on Espressif devices includes two products: the **Arduino Core for ESP32** and the **Arduino Component for ESP-IDF**—both built on top of the ESP-IDF.



Arduino Core for ESP32



Arduino Component for ESP-IDF

### Supported SoCs

We're working to support all Espressif SoCs, ensuring **seamless development** across the entire ecosystem!

Currently, it's supported on:

ESP32

ESP32-S

ESP32-C

ESP32-H

ESP32-P

### Get started today!

Access rich resources like documentation, forums, examples, tutorials, and more to fuel your projects!

Explore more at:

[github.com/espressif/arduino-esp32](https://github.com/espressif/arduino-esp32)



Do you want to try it right now?

Try it with Wokwi!

[wokwi.com/esp32](https://wokwi.com/esp32)



## Explore our Developer Resources

### Documentation

Explore our documentation!  
Find detailed API references, and the programming guide to help you get started with **ESP-IDF**.



[idf.espressif.com](http://idf.espressif.com)

### Developer Portal

Visit our Developer Portal!  
Explore a wealth of resources, including technical **articles**, and **workshops** to help you level up your skills.



[developer.espressif.com](http://developer.espressif.com)

### GitHub

Explore our projects on GitHub!  
Dive into our **open-source** repositories, contribute to the community, and stay up to date with our latest developments.



[github.com/espressif](https://github.com/espressif)

### ESP32 Forum

Join us on our Forum!  
Ask **questions**, share knowledge, and connect with other developers to get help and **discuss** our projects.



[esp32.com](http://esp32.com)

### YouTube

Follow us on YouTube!  
Watch hundreds of hours of **content**, including all **DevCon** talks, new product introductions, and more.



[youtube.com/@EspressifSystems](https://youtube.com/@EspressifSystems)

### Community

Join our community on Reddit!  
Connect with over **100,000 developers**, share insights, ask questions, and stay updated on the latest discussions.



[reddit.com/r/esp32](https://reddit.com/r/esp32)

### ESP-Registry

Find the most exciting ESP-IDF components!  
Discover, download and publish **components** and examples for ESP-IDF.



[components.espressif.com](http://components.espressif.com)

### ESP-RainMaker

A complete IoT solution!  
An **IoT** cloud platform on AWS, offering control, scalability, and customization with its open-source SDK for your devices.



[rainmaker.espressif.com](http://rainmaker.espressif.com)

### ESP-Insights

Identify issues faster!  
A cloud **remote diagnostics** platform helps monitor, debug, and optimize IoT devices with real-time data and analytics.



[insights.espressif.com](http://insights.espressif.com)

### Matter SDK

Espressif's solution for Matter!  
A **simplified** API and the required tools help **build** Matter-enabled smart-home devices with ease.



[github.com/espressif/esp-matter](https://github.com/espressif/esp-matter)