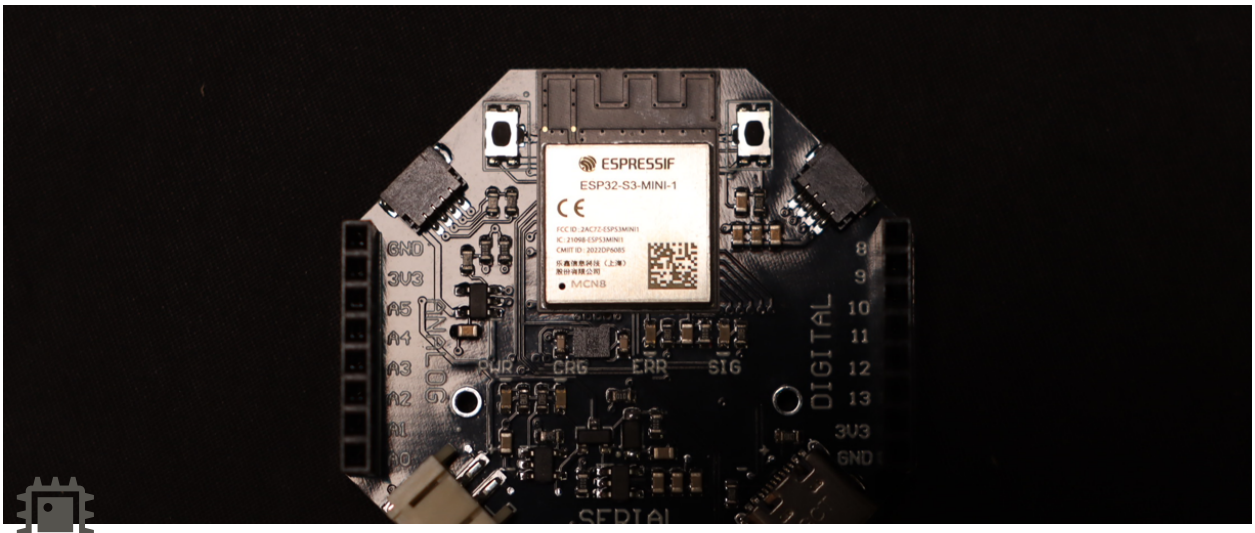

iotaCore

Check out our GitHub Repo:

GitHub - Mister-Industries/iotaCore: This is the official repo of the iotaCore project

This is the official repo of the iotaCore project. Contribute to Mister-Industries/iotaCore development by creating an account on GitHub.

https://github.com/Mister-Industries/iotaCore

Mister-Industries/**iotaCore**

This is the official repo of the iotaCore project

1 Contributor · 0 Issues · 0 Stars · 0 Forks

Project Overview:

iotaCore is a **truly** open-source hardware microcontroller designed to help educate people on the world of IoT and embedded systems. Our mission is to provide a powerful, flexible, and user-friendly platform for makers, students, and young professionals alike.

🚀 Key Features:

- ESP32-based architecture for robust wireless connectivity
- Integrated motion tracking capabilities
- Built-in SD Card for data-logging
- Arduino IDE compatibility for ease of programming
- Open-source design and encouraged community involvement

🌟 **Our Vision:**

iotaCore aims to bridge the gap between industry and undergrad, empowering young professionals to build their portfolio by bringing their ideas to life.

By fostering a vibrant community of developers and enthusiasts, we're not just creating a product – we're building an ecosystem of innovation.

🤝 **Join the Journey:**

Whether you're a seasoned engineer or a curious beginner, there's a place for you in the iotaCore community. Follow our progress, contribute to the project, and be part of our learning journey!

Development Timeline:

iotaCore Development

Aa Name	Assign	Date	Status
Manufacturing & Assembly - Rev. 1		@October 4, 2024 → October 24, 2024	Not started
Shipping		@October 20, 2024 → October 24, 2024	Not started
Boot Up and Test - Rev. 1		@October 25, 2024 → November 10, 2024	Not started

Dev Logs:

Tests and Setup Notes:

- Boot Up and Flash Test - 10/28/24
- I2C Test - 11/6/24
- ESP_NOW Test - 11/6/24
- ADC Test

Task List:

- [ ] Create a custom Arduino IDE board library
- [ ] Test all digital and analog pins
- [ ] Solve SD Card Booting Issue (CS Pin)

Marketing for iotaCore

Photo Album

Revision 2.0 Notes:

Community Engagement:

Join Our Community

Our Discord server provides weekly office hours, community hackathons, project showcases, and technical support. We'd love to see you there.

Stay updated with our latest developments and industry insights by following us on LinkedIn and X (Twitter) (@misterindustries). Our social channels feature regular project highlights and community spotlights.

Contributing

Whether you're a developer, writer, or enthusiast, your contributions are welcome. Start by forking our repository and checking out our contribution guidelines. Not into coding? Help improve our documentation, share your project builds, or assist others in our Discord community.

Share Your Thoughts

We value your feedback and ideas. Share feature requests and bug reports through GitHub Issues, or reach out directly at feedback@mr.industries. Our team reviews all suggestions and typically responds within 24 hours.

Our quarterly hackathons provide perfect opportunities to connect with fellow creators and share your innovations. Join us in building something amazing together.

Resources:

FAQ

Tutorials

User Projects

About the Team

Created by electrical engineers Geoff McIntyre and Aiden Reeves, iotaCore emerges from a shared vision to bridge the gap between academic engineering and industry practice.

As graduates from CU Boulder and Colorado School of Mines respectively, they experienced firsthand the challenges new engineers face: entry-level positions demanding years of experience, and career-changers struggling to enter the field without clear pathways.

Together, they founded Mister Industries, guided by three core principles:

Integrity, Excellence, and Progress.

This isn't just another microcontroller project—it's a mission to democratize embedded hardware development through truly open-source solutions. By building in the open and putting humans first, iotaCore stands as a bridge between Arduino-level learning and industry-standard development, making professional embedded development accessible to everyone ready to learn.

Support and Sponsorship:

Thanks to our Amazing Sponsors!

The iotaCore project thrives thanks to the generous support of our manufacturing and development partners:

PCBWay

PCBWay provides exceptional PCB manufacturing services and has been instrumental in bringing iotaCore to life through their reliable prototyping capabilities.

Want to support us?

Help us advance open-source hardware development by supporting the project. Consider becoming a GitHub sponsor to help fund ongoing development and maintenance. For bulk orders and custom implementations, reach out to our commercial support team at support@mr.industries.

Monthly subscriptions through GitHub Sponsors or Patreon directly fund new feature development and community resources. Supporters receive priority support, custom firmware builds, and early access to new features. Together, we're making advanced microcontrollers accessible to everyone.