

AIOT KIT

MC4.0 AIOT KIT



15 Years +



Secondary

AI Powered Learning

The AIoT Kit takes learning to the next level by integrating an AI camera that enables students to explore advanced topics like color recognition.



Real World Interaction

The relay module in the AIoT Kit enables interaction with real-world components, giving students hands-on experience in controlling external devices and understanding the practical applications of IoT technology.



AI Camera



Environmental Sensor



Extension IO



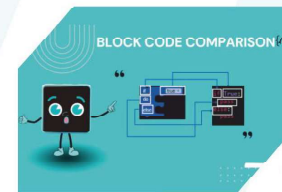
4-Channel Relay Module

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Cloud Connectivity

This kit features seamless integration with **AWS** and **Azure**, allowing students to connect their projects to cloud platforms. This functionality introduces them to cloud computing and data management, essential skills in today's technology-driven world.

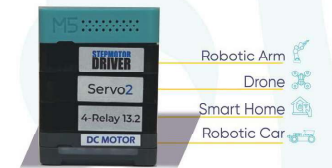


Multi-Coding

MC 4.0 supports an easy transition from block-based programming to Python and then to C++. This flexible approach allows students to start with simple drag-and-drop coding and progress to more advanced, industry-standard languages, ensuring that the kit evolves with their growing skills and knowledge.

Expanding Possibilities

An extension port in the AIoT Kit allows for further customization and expansion, encouraging students to think creatively about how they can enhance their projects. This feature supports the development of critical thinking and problem-solving skills.



What's Included?

- Kit Bag
- MC4.0 Controller
- DC encoder drive module
- Battery Module (Stack on the controller)
- Chassis
- Fixture add-on
- 4x DC Encoder Motors
- 4x Mecanum Wheel
- AI Camera
- 1x Extension IO
- 1x 4-Channel Relay Module
- 1x Environmental Sensor
- Line Follower Sensor
- Ultrasonic Sensor
- 4x Brass Stud M4*40
- Screwdriver
- 4x Motor shaft coupler
- 6x Screw M3x25
- 10x Screw M4x10
- 2x Screw M4x8
- 8x Nut M3
- 4x DC encoder motor cables
- 2x Grove Cables
- All cables needed



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