Product Reference Manual

SKU: AKX00066

Description

Arduino AKX00066 Alvik Robot is a powerful, versatile robot car for programming and robotics education. This robot is powered by Arduino Nano ESP32 board and embraces a spectrum of programming languages, such as block-based coding, MicroPython, and Arduino C. The AKX00066 Alvik is a compact robot that provides a platform for creative design, robot design, project-based learning, and team learning. This robot features a built-in replaceable and rechargeable battery, 19+ project-based learning lessons, integrated high-quality and versatile sensors, expandable electronically and structurally, and a transitioning programming experience. The AKX00066 Alvik is ideally used for coding, computer science, robotics, mathematics, and STEAM.

FEATURES

- Powered by Arduino ESP32 board
- Integrated high-quality and versatile sensors
- Compact and portable design
- Transitioning programming experience
- Connectors for LEGO® and M3 screws
- Coding the robot with MicroPython, Arduino C, and block-based programming
- 19+ project-based learning lessons
- Expandable electronically and structurally
- Built-in rechargeable and replaceable battery

APPLICATIONS

- Coding and programming learning
- STEAM learning
- Robotics and engineering competitions
- Project-based real-life application and learning
- Creativity design
- Team collaboration

KIT CONTENTS

- Arduino Nano ESP32 board
- Arduino Alvik
- 18650 rechargeable battery
- USB-C™ cable (1m)
- Micro servo motors (optional accessories)

TECHNICAL CONFIGURATIONS DIAGRAM