

# Technical Specifications



## Hardware

Battery:	3.7V 1500mAh Lithium Ion Rechargeable
Breakout Board:	4 Sensor Ports + 3 Motor Ports + 1 Water Pump Port
Charging:	micro USB to USB-A
Micro:bit Edge Connector	
Micro:bit Version Compatibility:	V2 and newer
Building Blocks:	Press-fit, Third-party Compatible
Cable Connectors:	Reversible
Motors:	9 gram Servo
LED Light:	8x WS2812b addressable LED's
Touch Sensor:	Capacitive
Sonar Sensor:	Ultrasonic distance sensor
Line:	3x Reflected light photoelectric sensor
Dial:	Rotary encoder + button
Module Chipset(s):	STM32 and Patauk
Hardware protocol:	Jacdac

## Software

Learning Platform:	Forward Education
Coding Platform:	Microsoft Makecode