48mm Omni wheel mobile robot kit

This robot kit is a 3 omni wheels drive mobile robot kit, supports programmable in C, C++ and especially developed for hobby, professional and educational use.

The 48mm Omni wheel mobile robot kit includes microcontroller, Ultrasonic Range Finder and motors. There are still pre-drilled holes of screw and its firm aluminum alloy body makes it convenient and possible to add more levels.
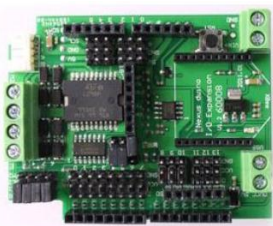
Features:

- 3 wheel drive
- Omni wheel
- Aluminum alloy fram
- Capable of rotation and side way
- Includes Ultrasonic sensors
- With Arduino microcontroller and IO expansion board
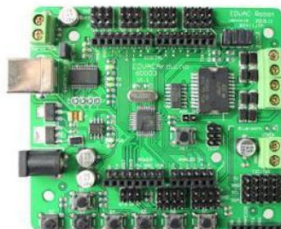- Programmable with C, C++

Parts included

- 48mm Omni-wheel X 3
- Servo Motor X 3
- Arduino 328 Controller
- Arduino IO Expansion
- Ultrasonic Range Finders X 3
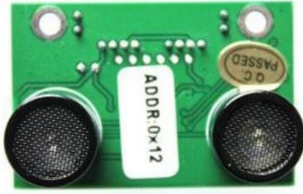- 12V NI-MH Battery X 1
- 12V Charger

Parts Description

Arduino IO Expansion is a sensor expansion board. The controller board is programmed from the PC in C, C++ programming language,it applies to all our robot Kits with DC Motor.

Arduino 328 is a microcontroller board. The USB port can be used for download of own programs and for transmitting data to the PC, it applies to all our robot kits with Servo Motor.

The Ultrasonic Range Finder is the sensor that can give your robot a picture from his surroundings.

With the help of omni wheels, robot kit can move to all direction.

Specifications:

Product Name	48mm Omni wheel mobile robot kit	Speed	0.2m/s
Part Number	10014	Power	3w
Appearance	Circle	Drive Mode	3 Wheels Drive
Max Width	230mm	Color	Yellow
Height	120mm	Net Weight	1kg
Body Material	Aluminum Alloy	Load Capacity	2kg

Co-effect of Omni Wheels:

Side Way

Backwards

Rotation

Concerning