

This is a 3 omni wheels drive mini mobile robot kit. It capable of moving in any direction by changing the velocity and direction of each wheel without changing its orientation. It includes microcontroller, IO expansion board, DC motor with encoder, ultrasonic sensors. With pre-drilled screw holes it can be easily extended. The 3WD 100mm Omni Wheel Mini Mobile Robot Kit is very appropriate to use in educational institutions.



### **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++

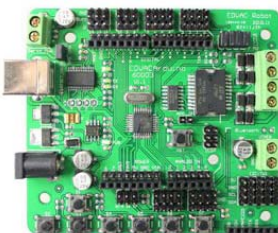
### **Parts included**

- 100mm Omni-wheel X 3
- DC Motor with encoder X 3
- Arduino 328 Controller
- Arduino IO Expansion
- Ultrasonic Range Finders X 3
- 12V NI-MH Battery X 1
- 12V Charger

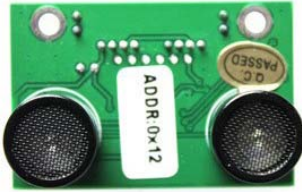
### **Parts Description**



Arduino IO Expansion is a sensor expansion board. The controller board is programmed from the PC in C, C++ programming language.



Arduino 328 is a microcontroller board. The USB port can be used for download of own programs and for transmitting data to the PC.



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 by changing the velocity and direction of each wheel without changing its orientation.

### Specifications:

Product Name	Omni Wheel Mini Mobile Robot Kit	Speed	0.6m/s
Part Number	10016	Power	17w
Appearance	Circle	Drive Mode	3 Wheels Drive
Max Width	180mm	Color	Yellow
Height	105mm	Net Weight	3kg
Body Material	Aluminum Alloy	Load Capacity	5kg



### Co-effect of Omni Wheels:

