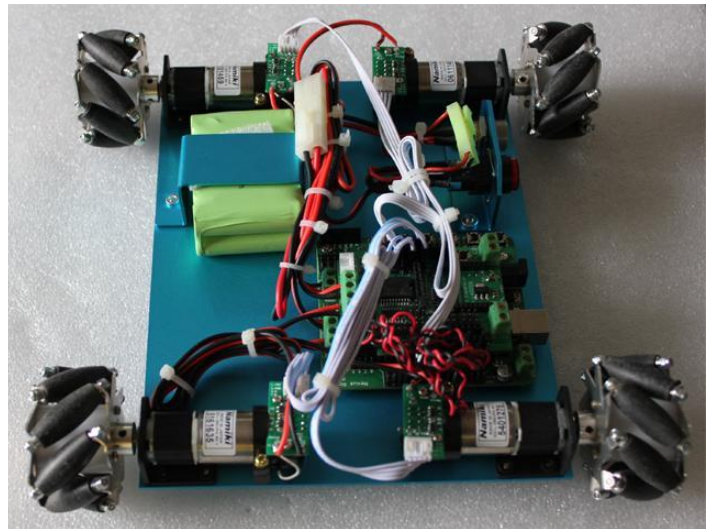


## 4WD 60mm Mecanum Wheel Robot Kit 10021

This is a four mecanum wheel drive mobile arduino robot kit, It includes 60mm aluminium mecanum wheels, four coreless 12V DC moter with encoders, Arduino 328 microcontroller board (It contains everything needed to support the microcontroller) and Arduino IO Expansion board (This sensor expansion board is able to easily connect a number of commonly used sensors) 4WD 60mm Mecanum wheel arduino robot kit is stable, its chassis is made of aluminum-alloy body, and it can be made to move in any direction and turn by varying the direction and speed of each wheel.



### **Features:**

- 4 wheel drive
- 60mm Mecanum wheel
- Aluminum alloy fram
- Easy to assemble
- DC motor with encoder
- Capable of moving omni direction and rotating

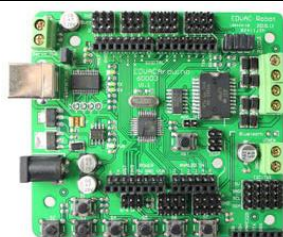
### **Parts included**

- 60mm Aluminum Mecanum Wheel X 4
- 12V DC Motor with encoders X 4
- Arduino 328 Controller X1
- Arduino IO ExpansionX1
- 12V NI-MH Battery X 1
- 12V ChargerX1

### **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.



With the help of mecanum wheels, robot kit can move to all direction. Moving all four wheels in the same direction causes forward/backward movement, running left/right sides in opposite directions causes rotation, and running front and rear in opposite directions causes sideways movement.

## Specifications:

Product Name	Mecanum wheel Learning kit	Speed	0.6m/s
Part Number	10021	Power	17W
Appearance	Square	Drive Mode	4 Wheels Drive
Max Width	240mm	Color	Blue
Height	180mm	Net Weight	1.5 kg
Body Material	Aluminum Alloy	Load Capacity	2kg

## Co-effect of Mecanum Wheels:

