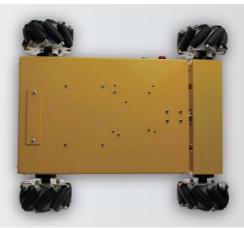
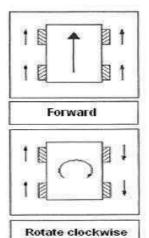


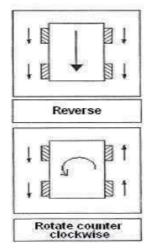
## 4WD 100mm Mecanum wheel robot kit 10011

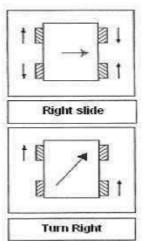


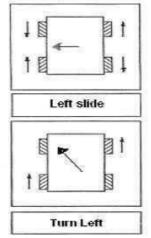


## Co-effect of 4 Mecanum wheels:









## Specifications:

	_	ı
	Appearance	Rectangle
	Length	400mm
	Max Width	360mm
	Height	100mm
	Chassis Height	22mm
	Wheel Base	300mm
	Wheel span	300mm
Chassis	Material	Aluminium
	Max Speed	0.6m/s
	Drive Mode	4 wheel drive
	Climbling Capacity	20 degree
	Load Capacity	20kg
	min-ITX Compatible	Yes
	Туре	45 degree Mecanum Wheel
	Diameter	100mm
Wheel	Thickness Material	50mm
vviieei		Aluminum Alloy and Rubber
	Load Capacity	15kg
	Roller Material	Rubber
	Diameter of Roller	29mm
	Length of Roller	47mm
	Coupled Mode	2 x 684ZZ bearings

Motor	Туре	Faulhaber 12V DC Coreless Motor
	Power	17W
	RPM	120rpm
	Diameter	30mm
	Length	42mm
	Total Length	85mm
	Diameter of Shaft	6mm
	Length of Shaft	35mm
	No Load Current	75m
	Load Current	1400mA
	Gearbox Ratio	64:1
Encoder	Туре	Optical
	Encoder Phase	AB
	Encoder Resolution	12CPR
Battery and Charger	Battery	12V Ni-Mh
	Slow Charger	100~240V In, 2.4~12V Out
	Duration of Charge	2 hours
	Running Time	0.5 hour

	Atmega 328	
	14 Channels Digital I/O	
	6 PWM Channels (Pin11,Pin10,Pin9,Pin6,Pin5,Pin3)	
	8 Channels 10-bit Analog I/O	
Microcontroller Specification	USB interface	
	Auto sensing/switching power input	
	ICSP header for direct program download	
	Serial Interface TTL Level	
	Support AREF	
	Support Male and Female Pin Header	
	Integrated sockets for APC220 RF Module	
	Five IIC Interface Pin Sets	
	Two way Motor Drive with 2A maximum current	
	7 key inputs	
	DC Supply:USB Powered or External 7V~12V DC	
	DC Output:5V /3.3V DC and External Power Output	
	Dimension:90x80mm	
IO expansion board	To support RS485 interface or dirve 4 motors	