Omni wheel Robot

**Technical Details**

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| Dimensions | 330mm x 330mm x 108mm |
| Net Weight | 3.5Kg |
| Wheel Diameter | 100mm |
| Wheel Thickness | 38mm |
| Wheel Material | Polyurethane |
| Wheelbase | 275mm |
| Chassis Material | Aluminium |
| Colour | Yellow |
| Speed | 0.6m/s |
| Climbing Capacity | 20° incline |
| Load Capacity | 15Kg |
| Controller | Atmel ATMega328P, IO Expansion Board |
| Mni-ITX Compatible | No |

MotorWheel wheel1(9,8,6,7,&irq1); // Pin9:PWM, Pin8:DIR,

Encoder wheel1

Pin6:PhaseA, Pin7:PhaseB

MotorWheel (10,11,14,15,&irq2); // Pin10:PWM, Pin11:DIR,

Encoder wheel2

Pin14:PhaseA, Pin15:PhaseB

MotorWheel wheel3(3,2,4,5,&irq3); // Pin3:PWM, Pin2:DIR,

Encoder wheel3

Pin4:PhaseA, Pin5:PhaseB

**Pin configuration:**

