



General Specifications:

Operating Voltage	:	7.4V
Control Board	:	DuDuino Mega328
MPU	:	ATmega328
Battery	:	2600 Li ion rechargeable battery
Ultrasonic Range	:	30mm 500mm
Size	:	195mm x 172mm x 79mm
Weight	:	810g
Maximum Load	:	500g
Tire Diameter	:	67mm
Operating Environment	:	0°C 40°C
Programming Software	:	Arduino IDE, ArduBlocks
Communication Interface	:	USB communication / Serial communication/ Bluetooth/RC5
Expansion Interface	:	4PIN general I / O interface x 2
Sensor	:	Ultrasonic sensor x 3 / Color sensor x 2 / Infrared sensor / Geomagnetic sensor x 1 / Light sensor x 1

Motor Parameters :

Reduction ratio	:	48:1
Voltage	:	7V
No-load current	:	150mA
Maximum rotate speed	:	200r/m

Experiments:

- Obstacle Avoiding Robot IR
- Line Following Robot
- Obstacle Avoiding Robot Ultrasonic
- PC Controlled Robot
- Remote Control Robot
- Light Activated Robot
- LCD interfacing
- Temperature Controller
- LED Interfacing
- Mobile Control

Note: Specifications are subject to change.

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