

## Segway RMPLite

### Segway RMPLite

Segway RMP (Robotics Mobility Platform) comes with a general and integrated robot chassis solution for enterprises and/or third-party developers. The hardware modular design and software SDK interface has the ability to support secondary development and/or customized services.

### Segway RMPLite 220

RMP Lite provides a highly adaptable platform covering scenarios such as indoor/outdoor delivery, patrolling, service, cleaning(disinfecting), AGV (warehouse), and special application robots. Segway RMP lite comes with a large-capacity battery to sustain 10 hours of non-stop service. The software is compatible with ROS and Isaac operating systems providing Gazebo and Rviz simulation models with tutorial cases.



## Specifications

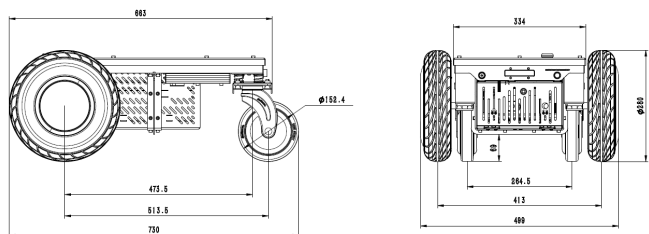
<b>Physical parameters</b>	Dimensions	L*W*H (mm): 730*499*280
	Structure	Axil base*Wheelbase*Ground clearance (mm): 513.5*413*69
	Parameters	
	Tire size	11 inches (280mm) Hub motor
	Weight	33KG
	Standard Load	50kg
	Obstacle Avoidance	5cm/8° /Speed bump
	Suspension Travel	4mm (Rear)
	Drive	FWD, Differential Steering
IP Rating	IP65	

<b>Functions</b>	Max Speed	3m/s
	Max Steering Speed	3rad/s
	Minimum Turning Radius	0m
	Braking	With No Load: 3m/s 0.9m Braking Acc: 0.5g
	Control	Remote control, host computer cont
	Braking Method	Electronic Brake

<b>Connectivity</b>	Interface	UART, CAN
	Supporting system, API	C/C++, ROS
	Feedback Data	Encoder, Hall, IMU
	3D Model	Gazebo, Rviz model

<b>Battery</b>	Range	1152wh- Max Load:3m/s, Range:80Km
	Capacity	48V 20Ah/24Ah
	Charging	Manual charging/Swappable battery/ Provided with automatic charging interface
	Host computer power	48V 400W

<b>UI</b>	Buttons	Emergency stop button, Push to move button, Power button
	Status Indication	Power on/off status indicator, Platform base status indicator, controls indication, Battery level indicator, Charging status indicator



## Extension kit

Light Strip

Ultrasonic Sensor

Bumper

Infrared Sensor

Sensor Mounting Rod

