

Segway E1 Robot Specifications

Hardware			
Exterior Width	620mm	Running Lights	Front & Back
Off-load Weight	≤50kg	Cargo Lights	Yes
Payload	≤20kg	Turn Signal Lights	<u>FOUR LED</u>
Bumpers	Front & Back	Flag Pole Lights	<u>ONE LED</u>
Waterproof	IPX5	Screen	LED lattice screen
Operating Temp.	-10°C~50°C	Speaker	5~10W
Charging Temp.	0°C~40°C	MIC	Yes
Cargo Volume	≥60L	Nominal Speed	12.8km/h, adjustable
Insulated Compartment	Swappable and reusable	Wheels	Solid tires/8.5-inch hub motor
Automatic Door	Yes	Battery Capacity	1004Wh & Swappable
Door Locker	Electromagnetic	Charging Time	5h
Range	≥60km	Stationary Curb Climbing	5cm
		Slope Climbing Angle	10°

Sensor Suite			
			<u>SIX HT-U071-NN</u> <u>ONE Set: SIX sensors + PCBA</u>
Networking	<u>TWO 4G LTE + WIFI</u>	Ultrasonic	FOV60, Range 0.05~1m
	RGBD		
Depth Camera	FOV80, Range 0.1~5m	Antenna	<u>FOUR LTE + GPS</u>
	<u>FOUR GSML2</u> <u>ONE FOV90 + THREE</u>		
Camera	<u>FOV190</u>	Cargo Camera	USB type
		RC Controller	Yes

Computing Platform	
Nvidia Xavier AGX	32 TOPS

Software Interface/ROS:

1. Camera Node
2. Ultrasonic Sonic
3. Realsense
4. Light/ Cargo Door Controlling
5. Audio Playing
6. Chassis Controlling
7. GPS
Other:
4G

Additional Sensors

Lidar	Livox	(Optional, additional \$3000/unit)
GNSS	RTK Device (with IMU)	(Optional, additional \$2000/unit)
mmWave Radar	76-77Ghz	(Optional, additional \$1500/unit)