



Clearpath Robotics' Husky Robot

Clearpath Robotics Jackal robot

TurtleBot-3 (Waffle-Pi)

Dimensions (L x W x H)

991mm x 610mm x 394mm

508mm x 430mm x 250mm

281mm x 306mm x 141mm

Weight (kg)

50

17

1.8

ROS Compatibility

YES

YES

YES

Differential Drive

YES

YES

YES

Number of Wheels

4

4

2

Load Capacity (Max-kg)

75

20

30

Run Time (h)

3-8

2-8

2

Charge Time (h)

4

4

2.5

Max Speed (m/s)

1

2

0.26

- LMS 111 laser range finder
- M5525-E PTZ outdoor dome camera
- VLP-16 3D LIDAR
- SwiftNav Duro GPS
- UR5 Universal Robotic Arm

- 2D LIDAR
- FLIR Blackfly camera
- 3DM-GX3-25 IMU

- 360 Laser Distance Sensor LDS-01 or LDS-02
- Raspberry Pi Camera Module v2.1
- Gyroscope 3 Axis
- Accelerometer 3 Axis
- Wheel Encoders
- Bumper Sensors

Sensor(s) and Payload(s)



Fetch Robotics' Fetch and Freight



Adept MobileRobotics Pioneer 3-DX



KUKA KMR iiwa

Dimensions (L x W x H)	1042mm x 711mm x 1170mm	455mm x 381mm x 237mm	700mm x 1080mm x 630mm
Weight (kg)	61 - 100	12.7	730
ROS Compatibility	YES	YES	YES
Differential Drive	YES	YES	YES
Number of Wheels	2	2	4
Load Capacity (Max-kg)	20 - 680	1	7 (moving) - 14 (stationary)
Run Time (h)	8	8-10	8
Charge Time (h)	2-3	2-6	2.5 - 3.5
Max Speed (m/s)	1	1.2	1
Sensor(s) and Payload(s)	• 2D LIDAR	• Hokuyo URG-04LX-UG01 /SICK LMS100 LIDAR (2D/3D)	• 2D LiDAR (Sick LMS511 or Sick MRS1000)
	• 3D Depth Camera	• MaxBotix MB1240 Sonar Sensor	• IMU Camera
	• RGB Camera	• Internal Measurement Unit (IMU)	• Force-Torque Sensor
	• Wheel Encoders	• Adafruit Ultimate GPS	• End Effector
	• Bumper Sensors	• ESP8266 WiFi module	• Inspection Equipment (Camera for inspecting pipes, tanks etc.)
	• Internal Measurement Unit (IMU)	• HC-05 Bluetooth module	
		• Kinova Jaco / Schunk LWA 4P Manipulators	