



Clearpath Husky

Clearpath Husky is a mid-size robot designed for research. Due to its design, it can move even in very difficult terrain, such as mud, or overcome steep obstacles. Husky can lift up to 75 kg of load, allowing students to mount virtually any sensors or a small manipulator. Its open architecture and a wide range of sensors make it a perfect solution for many research projects. The manufacturer has adapted this platform to work with ROS and Gazebo, making it easy to simulate, program and control. ...

Parameter	Value
Dimensions	990 x 670 x 390 mm
Weight	50 kg
Carrying capacity	75 kg (up to 20 kg in difficult terrain)
Maximum speed	1 m / 2
Control modes	Direct voltage, wheel speed, and kinematic velocity.
Basic sensors	Power supply, encoders
Available ports	RS232 (others depending the computer)
Typical power consumption	400W (without additional accessories)
Battery	Lithium-ion (24 V, 20 Ah)
Typical battery life	Up to 3 hours

Expansion possibilities:

- Additional battery and charger
- Improved on-board computer
- Kinova robot arm
- Sensors: LIDAR, IMU, GPS, etc.
- 2D / 3D cameras
- Software for autonomous operation, navigation, image processing and teleoperation.