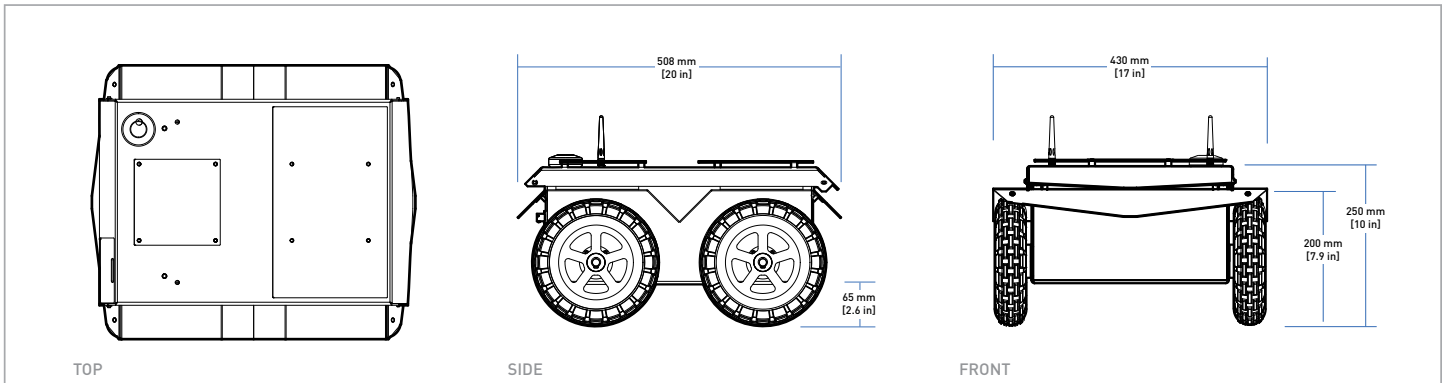


JACKAL™

UNMANNED GROUND VEHICLE



TECHNICAL SPECIFICATIONS

SIZE AND WEIGHT			
EXTERNAL DIMENSIONS (L x W x H)	508 x 430 x 250 mm (20 x 17 x 10 in)		
INTERNAL STORAGE DIMENSIONS	250 x 100 x 85 mm (10 x 4 x 3 in)		
WEIGHT	17 kg (37 lbs)		
GROUND CLEARANCE	65 mm (2.6 in)		
SPEED AND PERFORMANCE			
MAX. PAYLOAD	20 kg (44 lbs)		
ALL-TERRAIN PAYLOAD	10 kg (22 lbs)		
MAX. SPEED	2.0 m/s (6.6 ft/s)		
DRIVE POWER	500 W		
BATTERY AND POWER SYSTEM			
BATTERY CHEMISTRY	Lithium Ion		
CAPACITY	270 Watt hours		
CHARGE TIME	4 hours		
RUN TIME	Heavy usage: 2 hours		Basic Usage: 8 hours
USER POWER	5 V at 5 A, 12 V at 10 A, 24 V at 20 A		
INTERFACING AND COMMUNICATION			
CONTROL MODES	Kinematic Commands — velocity, angular velocity Open Loop Motor Driver Commands — voltage Wheel Velocity Commands		
FEEDBACK	Battery and motor current Wheel velocity and travel		Integrated GPS receiver Integrated gyroscope and accelerometer
COMMUNICATION	Ethernet, USB 3.0, RS232. (IEEE 1394 available)		
DRIVERS AND APIs	Packaged with ROS Indigo		
INTEGRATED ACCESSORIES (included)	Wireless Game controller, GPS, IMU, On-Board Computer, WIFI Adapter, Accessory Mounting Plates		
COMPUTER	Standard		Performance
	Celeron J1800 Dual core, 2.4GHz 2 GB RAM	WIFI Adapter 32 GB Hard Drive	Intel Core i5 4570T Dual core, 2.9GHz 4 GB RAM WIFI Adapter 128GB Hard Drive
ENVIRONMENTAL			
OPERATING AMBIENT TEMPERATURE	-20 to 45 °C (-4 to 113 °F)		
IP RATING	62 (65 available on select configurations)		

Contact us today for pricing and a free 30 minute technical assessment: **1-800-301-3863**