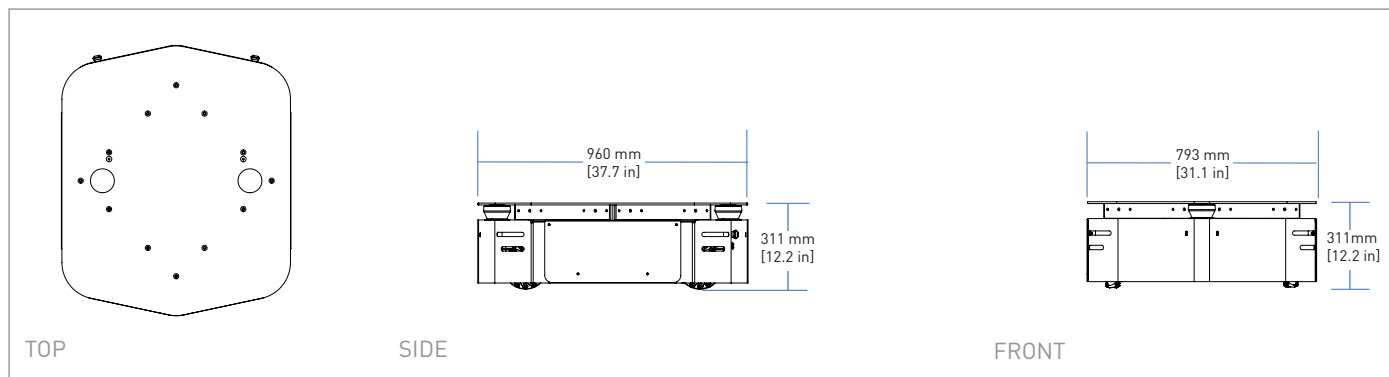


RIDGEBACK™

Omnidirectional Development Platform



TECHNICAL SPECIFICATIONS

SIZE AND WEIGHT	
EXTERNAL DIMENSIONS	960 x 793 x 311 mm (L x W x H)
WEIGHT	135 kg
OBSTACLE CLEARANCE	18 mm
SPEED AND PERFORMANCE	
MAX PAYLOAD	100 kg
MAX SPEED	1.1 m/s
DRIVE CONFIGURATION	4 Independently driven omni-directional wheels
OPERATING ENVIRONMENT	Indoor
BATTERY AND POWER SYSTEM	
BATTERY CHEMISTRY	Marine Grade AGM Sealed Lead Acid
CAPACITY	24 V 100 Ah
OPERATING TIME	15 hours with max payload
CHARGE TIME	8 Hours approx
USER POWER	5 V @ 5A, 12 V @ 7A, 25.6 V @ 16A
POWER	800 W Typical Use, Shore Power Available
INTERFACING AND COMMUNICATION	
CONTROL MODES	Kinematic control (forward, sideways, rotation), individual wheel velocities
FEEDBACK	Encoders, onboard IMU
COMMUNICATION	Ethernet, USB 3.0, RS 232
INCLUDED ACCESSORIES	Onboard computer, laser, gyroscope
DRIVERS AND APIs	ROS 2 Jazzy

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