

Omni-Directional Mobile Base Kit

The Omni-Directional Mobile Base Kit is a great starting point to build your own mobile manipulation platform.



"Rosie"
Omni-Directional Mobile Base
w/ 6-DoF Arm and Gripper

Size	Fits within 550mm Diameter x 206mm Tall Cylinder	
Weight	12 kg (with four batteries)	
Linear Speed	0.5 meters per second (with X8-3s)	
Batteries	Grin Technologies, LiGo Battery (Fits up to 4) 36V 2.7Ah, 98Watt*Hrs, 10A Max	
Battery Life (Using 2 Batteries)	3-4 Hours Ability to hot-swap batteries for uninterrupted use	
X-Series Actuators	3x X8-3 Actuators w/ mounting accessories	
Wheels	3x 6" Omni-Wheels w/ mounting adapters	
Mechanical Interface	T-Slot Extrusion (80/20®) Easy integration of additional components or sensors	
Integrated Electronics	Intel® NUC Computer Ethernet Switch	Wireless Access Point Power Electronics
Bulkhead Connectors	1x HDMI to Computer 3x USB to Computer 1x Ethernet Port to Internal Switch 2x RF Antenna for Wireless Access Point 1x M-Stop Button Anderson Powerpole Power Connectors for Batteries Power Output for X-Series Actuator Additional Power Outputs for 5V, 12V, and 24V (5A each) Computer (White LED) and Actuator (Blue LED) Power Buttons	
Software	Joystick Control with HEBI Mobile I/O App (iOS and Android) Example code in all of HEBI's supported API languages	

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