KELO ROBILE Modular Prototyping Kit



Made up of robotics building blocks-such as, wheels, batteries, and computers-for creating

Robust Mobile Platforms



Hardware



 Expandable capacity through additional slave battery brick

Software

Compatible with **ROS1** and **ROS2**

Full access to the OS and software stack

Open-source KELO Tulip for commanding robot via velocity setpoints (v, ω) and configuring robot with any number of wheels and kinematics

Example **ROS2 Navigation configurations** for **ROBILE**

Features

Dimensions (LxWxH): 233 x 233 x 238 mm

Weight: 5-11 kg.

Mechanical Compatibility: T-Slot 8 standard aluminum profile, compatible with standard T-Slot fasteners

Electrical simplicity: Simple daisy chain electrical connections between bricks



KELO ROBILE

For more information on ROBILE accessories, extensions, fasteners, cables, as well as sensors and actuators we offer, visit our website

ROBILE for

(DEV)

Developers:

Quickly build proof-of-concept projects with an industry-level platform, bridging the gap between ideas and execution.

University Researchers:

Conduct advanced mobile robotics research with a plug-and-play, industrial-grade mobile robot.

Lecturers in Mobile Robotics:

Teach various kinematics using a single, versatile platform.

Powered by ROBILE



Transforming Open-Plan Offices with Adaptive Mobile Robotic Partitions

A linear ROBILE configuration enabled complex experimentation and accelerated development timelines.

Mobilizing UR Cobots for Advanced Research

Researchers with experience in UR cobots successfully mobilized their cobot using the ROBILE platform, advancing their work in collaborative mobile robotics.





Revolutionizing Robotics Education with Dual-Arm Mobile Manipulators

A university lab mounted a dual-arm robot on a ROBILE platform, using additional ROBILE bricks to teach students various dual-arm robot kinematics.



For videos showing ROBILE in action visit our Linkedin

Getting Started

KELO ROBILE



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