GATEIN TECHNOLOGY
جيت ان تكنولوجي

PRODUCT PRESENTATION · ROS EDUCATION

LIMO COBOT

Multi-modal ROS Mobile Manipulator Robot

A desktop mobile manipulator based on LIMO PRO with a myCobot 280 arm and NVIDIA Orin Nano, for education, competitions and training.

Presented by GateIn Technology · Exclusive AgileX partner in Egypt



What LIMO COBOT can do



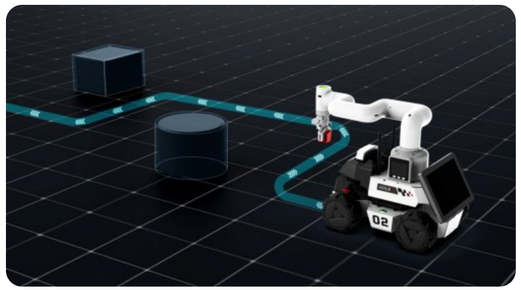
Mobile grasping

Versatile 6-axis arm for precise mobile grasping.



Autonomous mapping

Creates accurate maps for navigation in complex spaces.



Obstacle avoidance

Senses surroundings and navigates around obstacles.



Open-source support

ROS, Gazebo, Python and C++; navigation, mapping, localization and MoveIt tutorials.

LIMO PRO base specifications

Parameter	LIMO PRO
Vehicle dimensions · weight	322 × 220 × 550 mm · 4.8 kg
Load capacity · ground clearance	4 kg · 24 mm
Steering · screen	40 N·m · 7 inches
Computer · depth camera · LiDAR	NVIDIA Orin Nano · Orbbec DaBai · EAI T-mini Pro
Battery · operating · standby	10 Ah 12 V · 2.5 h · 4 h
System · ROS	Ubuntu 20.04 · ROS1 Noetic / ROS2 Foxy
Speed · control	1 m/s · mobile app / command, 10 m range

LIMO COBOT specifications

Parameter	LIMO COBOT
Total weight · dimensions	5.6 kg · 322 × 220 × 550 mm
Arm	6-DOF + gripper · 0.8 kg
Arm working accuracy · radius	±0.5 mm · 280 mm
Working load	LIMO 4 kg · arm 250 g
Navigation · parking accuracy	LiDAR SLAM, visual SLAM · 1–2 cm
Communication	LIMO USB · arm Type-C

GateIn One accountable partner

We don’t just ship the LIMO COBOT. GateIn designs, supplies, installs, integrates and supports AgileX solutions for universities, schools, government and industry, from the first plan to long-term support.

+120
ROBOTS SUPPLIED IN EGYPT
Industrial, service and educational

91
LABORATORIES
Across 45 institutions

+30
STRATEGIC & GLOBAL PARTNERS

5
YEARS OF DELIVERY
Since 2021

Design | Sourcing | Installation | Integration | Training | Long-term Support

An integrator, not a vendor.

Exclusive AgileX partner for Egypt

GATEIN TECHNOLOGY
جيت ان تكنولوجي

Let’s plan your LIMO COBOT deployment

gateintech.com · info@gateintech.com · +20 109 806 5088
Mohandessin, Giza, Egypt

Benchmark Tomorrow’s Tech.