GATEIN TECHNOLOGY
جيت ان تكنولوجي

PRODUCT PRESENTATION · ROS2 EDUCATION

LIMO PRO

ROS2 Educational Mobile Robot Platform

NVIDIA Orin Nano with EAI T-mini Pro LiDAR and Orbbec DaBai depth camera, compatible with ROS 1 Noetic and ROS 2 Foxy.

Presented by GateIn Technology · Exclusive AgileX partner in Egypt



LIMO PRO highlights

Orin Nano
NVIDIA COMPUTING
Onboard AI

3D
MAPPING
Environmental perception

Auto
AUTONOMOUS DRIVING
Navigation

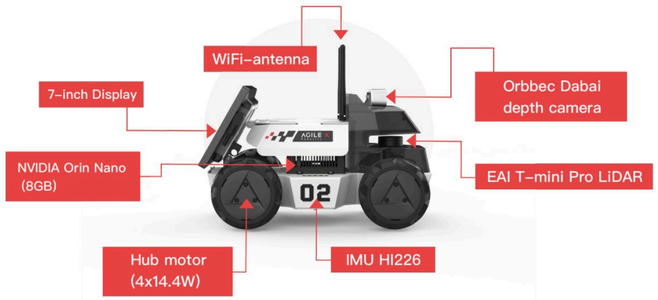
Avoid
OBSTACLE AVOIDANCE
Safe operation

Vision
VISUAL RECOGNITION
Depth camera

2.5 h
BATTERY LIFE
Continuous research

Patented four steering modes (four-wheel differential, tracked, omni-directional, Ackermann); scalable structure with 0.9 L internal space and four USB serial ports.

Hardware & steering modes



Computing & sensors

NVIDIA Orin Nano (8 GB), Orbbec DaBai depth camera, EAI T-mini Pro LiDAR, IMU HI226.

Interaction

7-inch display, Wi-Fi antenna.

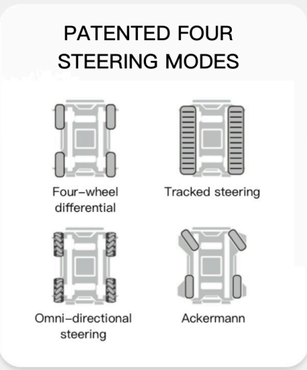
Drive

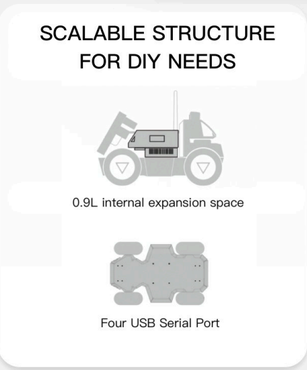
Hub motors (4 × 14.4 W), 40 N·m steering.

Four steering modes

Four-wheel differential, tracked, omni-directional, Ackermann.

LIMO PRO Specifications





Parameter	LIMO PRO
Size · weight	322 × 220 × 251 mm · 4.8 kg
Payload · ground clearance · steering	4 kg · 24 mm · 40 N·m
Max speed · display	1 m/s · 7 inch
IPC · depth camera · LiDAR	Orin Nano · Orbbec DaBai · EAI T-mini Pro
Battery · working · standby	10 Ah 12 V · 2.5 h · 4 h
OS · ROS version	Ubuntu 20.04 · ROS1 Noetic, ROS2 Foxy
Control method · range	Mobile app, command control · 10 m

GateIn One accountable partner

We don’t just ship the LIMO PRO. 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
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+30
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5
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Let’s plan your LIMO PRO deployment

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