GATEIN TECHNOLOGY
جيت ان تكنولوجي

PRODUCT PRESENTATION · MOBILE ALOHA PLATFORM

Cobot Magic

Mobile Dual-Arm Manipulation Platform

TRACER mobile chassis with four PiPER arms, three depth cameras and an onboard computer for embodied AI research.

Presented by GateIn Technology · Exclusive AgileX partner in Egypt



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Cobot Magic hardware



Robot · TRACER × 1

685 × 570 × 155 mm, 28–30 kg; two-wheel differential drive; 100 kg load; 4 h charging; AC 220V charger; AgileX remote controller; 1-year warranty.

Camera · Orbbec DaBai × 3

Depth 0.3–3 m, 640 × 400 / 320 × 200 @ 30 FPS, FOV H 67.9° V 45.3°; RGB up to 1920 × 1080 @ 30 FPS, FOV H 71° V 43.7°.

Robotic arm · PiPER × 4

6 DOF, 653 mm reach, ±0.1 mm repeatability, 1.5 kg payload, 4 kg, CAN communication.

Computer · APQ × 1

Intel i7-9700, 32 GB RAM, 4 TB SSD, RTX 4060 graphics card.

Shell · sensors stand

Customized service.

Operating system & software

System
Ubuntu 18.04 LTS · ROS Melodic.

Development tools
VSCode, Gazebo, MoveIt, rqt, NoMachine.

Supervisory control
RViz.

Chassis packages
tracer_base and ugv_sdk.

Sensor packages
camera and gripper packages.

Open source
Chassis model, ROS and Gazebo packages plus demo package on GitHub (agilexrobotics).

Cobot Magic Delivery list

Type	Item	Qty
Hardware	Robot chassis certificate	1 pc
Hardware	Robot chassis user manual	1 pc
Hardware	Cobot Mobile ALOHA secondary development document	1 pc
Hardware	Cobot Mobile ALOHA sensors user manual	1 pc
Software	Robot chassis model package	1 pc
Software	Robot chassis ROS package	1 pc
Software	Robot chassis Gazebo package	1 pc
Software	Open-source demo package	1 pc

GateIn One accountable partner

We don’t just ship the Cobot Magic. 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
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Let’s plan your Cobot Magic deployment

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