GATEIN TECHNOLOGY
جيت ان تكنولوجي

PRODUCT PRESENTATION · STEER-BY-WIRE CHASSIS

SCOUT 2.0

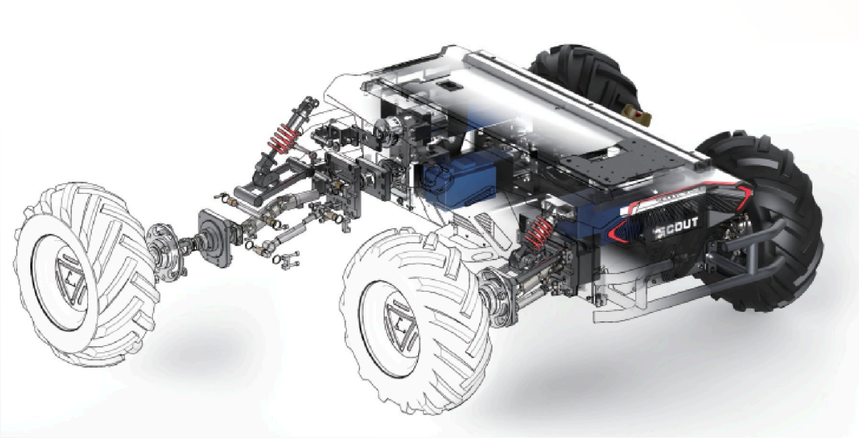
Four-Wheel Drive · Independent Suspension

An outdoor mobile base for industrial applications with upgraded cooling and safety systems, external expansion and secondary development.

Presented by GateIn Technology · Exclusive AgileX partner in Egypt



Structural advantages



For any environment

Inspection, transportation, teaching and more with different upper loads and navigation systems.

25% smaller than SCOUT 1.0

Fits ordinary elevators and car trunks; switches freely between indoor and outdoor.

4WD, 400 W per wheel

Brushless servo motors with double-transverse-arm independent suspension.

Rugged terrain

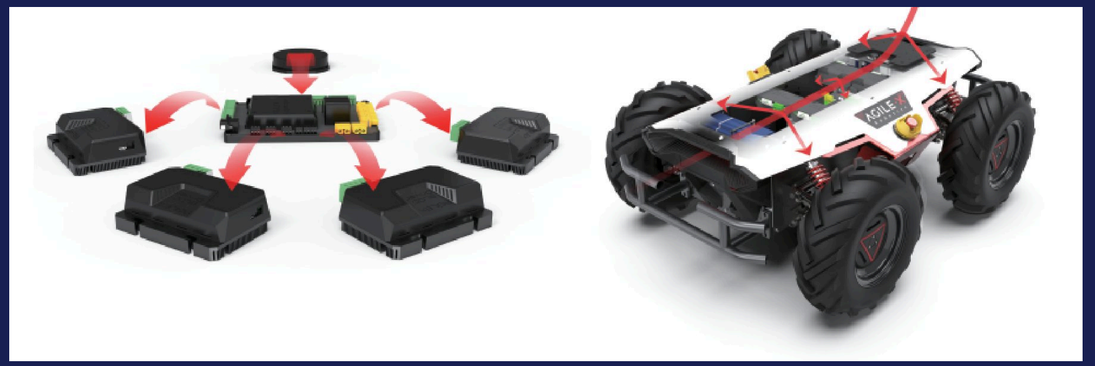
Zero turning radius; easily surmounts 10 cm obstacles outdoors.

Cooling, expansion & development



Upgraded cooling system

Integrated internal and external circulation cooling, directional cooling, strong fan module and real-time temperature monitoring.



External expansion & secondary development

Independent BCDC driver control; serial / CAN; open SDK and ROS package; aluminium-profile top for GPS, cameras, LiDAR, sensors; ROS and Baidu Apollo support.

Success cases



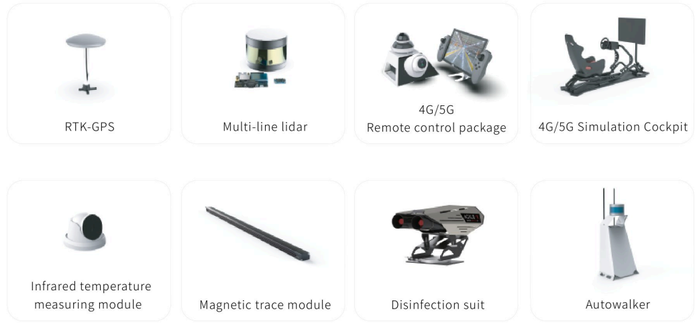
Park logistics

Multi-sensor fusion navigation for unmanned delivery in parks and factory areas.



Security patrol

Camera, computer, GPS, laser and audio: recording, face recognition, intercom, remote control and custom apps.



Optional accessories

RTK-GPS, multi-line LiDAR, 4G/5G remote control and simulation cockpit, IR temperature, magnetic trace, disinfection suit, Autowalker.

SCOUT 2.0 Specifications

Parameter	SCOUT 2.0
Dimensions · wheelbase · track	930 × 699 × 349 mm · 498 mm · 582 mm
Drive · suspension	4-wheel independent drive, differential steering · front & rear double-wishbone independent
Weight · rated load	68 kg (±0.5) · 50 kg
Max speed · range · turning	6 km/h · 15 km · 0 m
Gradability · clearance · obstacle	<30° with load · 135 mm · 15 cm
Braking	Servo brake · 0.2 m (6 → 0 km/h)
Battery · charging	24 V / 30 Ah · AC 220V charger, 2.5–3 h
Motor · encoder	4 × 400 W brushless servo · 2500-line magnetic incremental
Interface · protection	Standard CAN, RS232 · IP22 (IP44/IP64 custom) · 0–40 °C · collision avoidance tube

GateIn One accountable partner

We don’t just ship the SCOUT 2.0. 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.

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Let’s plan your SCOUT 2.0 deployment

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