GATEIN TECHNOLOGY
جيت ان تكنولوجي

PRODUCT PRESENTATION · TRACKED CHASSIS

BUNKER

Crawler-type Differential Wire-controlled Chassis

Tracked differential steering, independent suspension, 36° climbing, zero turning radius and ROS/SDK support.

Presented by GateIn Technology · Exclusive AgileX partner in Egypt



Built for special environments



Crawler-type differential chassis

Extremely strong terrain adaptability, strong load capacity, small mechanical loss, high ingress protection.

Tough process design

Multiple servo motors for strong power and differential rotation; Christie suspension with multiple shock absorbers.

Superior climbing

Integrated forward-tilt design; climbs slopes < 36° and single steps < 17 cm.

Extreme terrain adaptability

High-performance track structure conquers mud.

Multiple-load expansion, rapid secondary development



CAN bus control

Communicate with the main control through CAN; open-source SDK and ROS package.

Slide rails

Reserved for quick top-load building: sensing, industrial control, IMU, routing, camera.

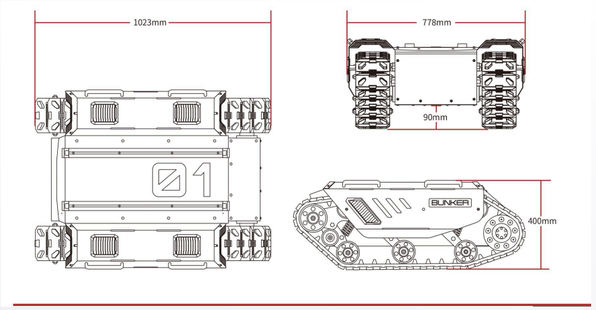
Custom brackets

Supports customized aluminium-profile sensor brackets.

Autonomous driving

Supports advanced systems such as ROS and Apollo.

BUNKER Specifications



Parameter	BUNKER
Dimensions (W×H×D) · wheelbase	1023 × 778 × 400 mm · 360 mm
Weight · ground clearance	130–135 kg · 90 mm
Rated travelling · spin load	80 kg · 60 kg
Climbing · turning radius	36° (no load and with load), can climb stairs · 0 m in-situ rotation
Obstacle · max travel	170 mm · 10 km
Suspension	Christie; left & right independent × 6 shock absorbers
Drive · motor	Left & right independent track differential steering · 2 × 650 W brushless servo
Battery · charging	48 V 30 Ah (standard) / 60 Ah (optional) · AC220V charger, 6–7 h
Encoder · gyroscope	1024 lines · 9-axis, 0.01° resolution
Temperature · interface · IP	-20 to 60 °C · standard CAN · IP52 (IP54 optional)

GateIn One accountable partner

We don’t just ship the BUNKER. 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

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Let’s plan your BUNKER deployment

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