

AGIBOT D1 Max Pro

Intelligent Quadruped Robot



The D1 Max Pro is a next-generation quadruped robot that combines exceptional payload capacity with outstanding mobility. Powered by reinforcement learning-based motion-control algorithms, it offers genuine all-terrain adaptability. Built-in autonomous patrol and environmental perception modules enable it to tackle demanding industrial inspections and emergency rescue missions with ease.

KEY FEATURES

Exceptional Payload Capacity

Carries up to 50 kg continuously, with a maximum load capacity of 100 kg. Designed for heavy-duty applications such as equipment mounting, cargo transport, and material handling.

Endurance & Power Security

Equipped with a 2160Wh high-capacity battery featuring exceptional energy conversion efficiency. Delivers 2.5 hours of continuous operation under load and up to 5.5 hours when unloaded—an industry-leading benchmark. A quick-release, hot-swappable battery ensures uninterrupted performance, with an optional autonomous charging dock available.

Superior Mobility

Built for agile, all-terrain adaptability. Effortlessly climbs 30 cm steps and traverses industrial staircases with ease. Integrated fall-recovery mechanisms enhance stability and reliability in dynamic environments.

Robust Environmental Adaptability

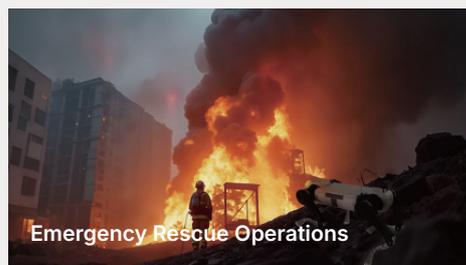
Rated IP67 for industrial-grade protection. Operates reliably in extreme conditions, from -20°C to 55°C, and withstands water immersion up to 20 cm. Resistant to rain, dust, and severe weather—delivering dependable performance in the harshest natural environments.

SPECIFICATIONS

Dimensions (Standing)	123 × 53 × 73 cm
Weight	64 kg
Battery Capacity	2160 Wh
Autonomous Charging	Optional
Maximum Speed	3.5 m/s
Endurance (Unloaded)	5.5 h
Endurance (Loaded)	2.5 h
Effective Load Range	13.5 km

Maximum Load	100 kg
Effective Load	50 kg
Maximum Climbing Angle	45°
Maximum Continuous Stair-Climbing Height	30cm
LiDAR	1 × unit
Operating Temperature	-20°C ~ 55°C
Protection Rating	IP67
Expansion Ports	Gigabit Ethernet, USB, Power (12V / 24V / 48V / 720W)

APPLICATION SCENARIOS



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