

AGIBOT D1 Pro/Edu

Intelligent Quadruped Robot



The AGIBOT D1 Pro/Edu is an intelligent quadruped robot featuring outstanding motion control, strong scalability, and exceptional durability. Compact in size yet agile and fast, the AGIBOT D1 integrates reinforcement learning-based motion algorithms, enabling it to autonomously adapt to a variety of terrains for all-terrain mobility. With rich expansion interfaces and robust, long-lasting design, it is ideal for scientific research, education, security patrol, and interactive entertainment, offering high safety, operational stability, and customization flexibility.

Key Features

Superior Motion Control — Confident All-Terrain Adaptation

Trained on tens of millions of reinforcement learning data points and powered by advanced motion control technology, AGIBOT D1 Pro/Edu intelligently adapts to complex terrains such as grass and uneven ground, achieving adaptive balance and anti-tipping. Its lightweight design combined with efficient dynamic performance allows agile traversal through challenging environments — ideal for research, education, and security missions.

Powerful Performance — Long Lifespan and Reliable Durability

Equipped with an industry-leading 2 kW/kg peak power density self-developed joint system, the AGIBOT D1 delivers superior power output supporting heavy loads and long-duration tasks, ensuring stability and reliability across multiple application scenarios. The body features anti-collision modules on the front, rear, and thigh joints, while anti-slip footpads ensure control precision and extend operational lifespan.

Rich Expansion — Flexible Adaptation for Diverse Scenarios (Available for Edu version)

Standardized expansion interfaces support secondary development and custom modifications. Compatible with sensors such as LiDAR and RGB-D cameras, and adaptable to various mounted payloads, it fulfills requirements for multiple applications.

Product Specifications

Standing Dimensions (L×W×H)	635 mm × 360 mm × 420 mm	Continuous Stair-Climbing Height	16cm
Lying Down Dimensions	675 mm × 435 mm × 145 mm	Maximum Climbing Angle	30° standard, up to 40° maximum
Total Weight	15.5 kg (including battery)	Maximum Speed	3.5 m/s
Battery Module	Rated Capacity: 4.6 Ah, Voltage: 43.2v	Operating Temperature	0 °C - 40°C
Battery life (Operating Time)	1 – 2 hours	Ingress Protection Rating	IP54
Effective Payload	5 kg	External Expansion ports (Edu version)	Ethernet, USB Power Port, SBUS, UART

Application Scenarios



Official Website



YouTube

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