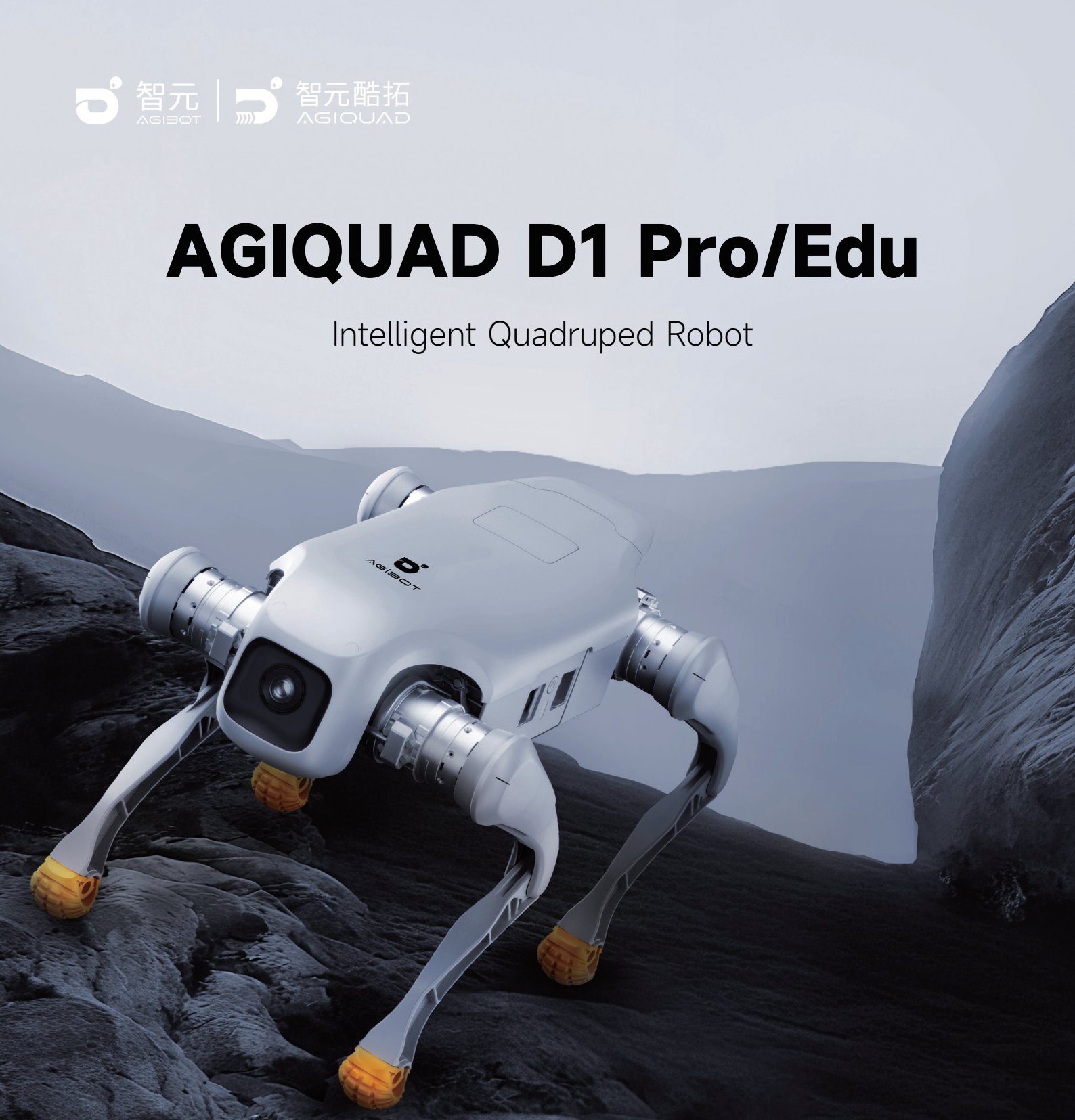
智元 AGIBOT | 智元酷拓 AGIQUAD

AGIQUAD D1 Pro/Edu

Intelligent Quadruped Robot



AGIQUAD D1 Pro/Edu is an intelligent quadruped robot with excellent motion control, high extensibility, high efficiency and long service life. Compact, speedy and flexible, it adopts reinforcement learning motion algorithms to autonomously adapt to diverse terrains and deliver all-terrain locomotion. Equipped with abundant interfaces and durable performance, it supports customized development for scientific research, education, security, entertainment and interactive scenarios. D1 Pro/Edu also features comprehensive safety protection and stable operation.

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, AGIQUAD 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 AGIQUAD 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.

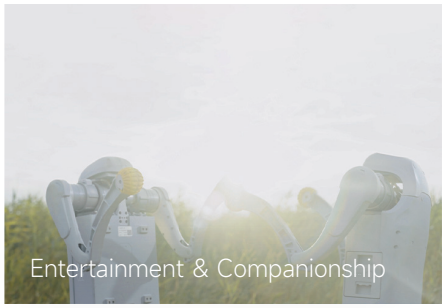
SPECIFICATIONS

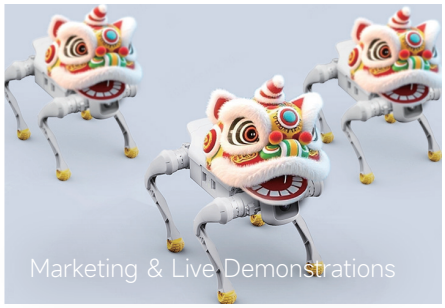
Standing Dimensions (L×W×H)	635 mm × 360 mm × 420 mm
Lying Down Dimensions (L×W×H)	675 mm × 435 mm × 145 mm
Total Weight	15.5 kg (including battery)
Battery Module	Rated Capacity: 4.6 Ah, Voltage: 43.2v
Battery life (Operating Time)	1 – 2 hours
Effective Payload	5kg

Continuous Stair-Climbing Height	16cm
Maximum Climbing Angle	30° standard, up to 40° maximum
Maximum Speed	3.5 m/s
Operating Temperature	0 °C - 40°C
External Expansion ports (Edu version)	Ethernet, USB Power Port, SBUS, UART

Notes:The above parameters are based on laboratory test data. Actual performance may vary depending on factors such as the operating environment and usage patterns; please refer to actual results.

APPLICATION SCENARIOS





Official Website

YouTube

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