



AgiBot

AgiBot D1

Intelligent Four Legged Robot



The **AgiBot** D1 is a smart quadruped robot featuring exceptional movement control, high expandability, and durable performance. Compact in size yet swift and agile in motion, it incorporates reinforcement learning algorithms to autonomously adapt to diverse terrains. Its versatile interfaces and robust design enable customized applications in scientific research, education, security, and entertainment. The robot also boasts safety features and stable operation.

Product Features

Excellent operation control, comfortable adaptation to all terrain

Featuring tens of millions of data points, the system combines reinforcement learning with advanced motion control technology to intelligently navigate complex terrains like grasslands, while maintaining adaptive balance to prevent tipping over. With lightweight design and high-performance motion capabilities, it navigates complex environments with agility, fulfilling demands for scientific research, education, and safety protection.

Powerful performance, long-lasting durability

Featuring an industry-leading 2kW/kg peak power density self-developed joint system, it delivers exceptional power output, supports high-load and extended-duration tasks, and ensures stable reliability across multiple scenarios. The device features impact-resistant modules on the front, rear, and thigh joints, along with specialized anti-slip treatment on the sole, ensuring excellent sports control while extending the device's lifespan.

rich expansion, multi-scenario flexible adaptation (Edu version only)

The product features standardized expansion interfaces for secondary development and customization. It supports sensor modules including LiDAR and RGBD cameras, and is compatible with various payloads to meet diverse application scenarios.

Product Parameter

Standing dimensions (length x width x height)	Approximately 610mm × 370mm × 406mm	Continuous climbing of the stair height	>16cm
Collapse size	Approximately 680mmx370mmx115mm	Slope walking ability	Standard environment: 30°C, maximum up to 40°C
Weight	Approximately 15kg (including battery)	Maximum running speed	3.7m/s
Cell	5Ah	Working temperature	0°C~40°C
Battery life	1-2h	Levels of protection	IP32
Continuous walking load	~5kg (maximum ~10kg)	External expansion interface (Edu version applies)	Ethernet port, USB port Power interface, SBus interface, and UART interface

Application Scen-arios



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