

AGIBOT D1 MaxPro Quadruped Robot – Technical Specification Sheet

Category	Specification	Description
Basic Information	Dimensions (Standing, L×W×H)	Approx. 1230 × 530 × 730 mm
	Dimensions (Lying Down, L×W×H)	Approx. 1313 × 530 × 300 mm
	Weight (with battery)	Approx. 64 kg
	Operating Temperature	-20°C ~ 55°C
	Protection Rating	IP67
	Battery Module	45Ah rated capacity, 48V, supports quick release and hot swap
	Charging Time	4.5h (optional fast charging: 2 h)
	Endurance	5.5h unloaded / 2.5 h fully loaded
	Range	13.5 km fully loaded
Performance Parameters	Continuous Walking Speed	1.5 m/s
	Stable Working Payload	50 kg
	Maximum Payload	100 kg
	Continuous Stair-Climbing Height	30 cm
	Maximum Climbing Angle	45°
	Maximum Speed	3 m/s
Sensor Module	LiDAR	1 × front-mounted 96-line LiDAR, coverage angle: 360° × 90° Diameter coverage up to 120 m, Accuracy: 1.5 cm
	Wide-Angle Cameras	1 front + 1 rear, industrial-grade 2 MP, DFOV :150°, HFOV: 130°, VFOV :73°
	IMU	Supported
Functional Features	Real-Time Image Transmission	Supported
	OTA Upgrade	Supported
	Secondary Development	Supported
	Dual-Spectrum Gimbal & Video Transmission	Integrated dual-sensor gimbal interface and video streaming service; supports video backhaul via secondary development APIs
	4G Communication	Supported
External Interfaces	Communication Interfaces	3x Gigabit Ethernet, 2x USB 3.0, 1 x 100 Ethernet, serial port
	Power Interfaces	12 V / 24 V / 48 V, Max output power: 720 W
	Charging Interface	Supports direct battery charging
	Fast-Charging Adapter	Optional
Accessories	Power Adapter	Standard
	Remote Controller with Screen	Standard
	Aviation Transport Case	Standard
	Autonomous Charging Dock	Optional
	Fast-Charging Adapter	Optional
Others	Warranty	1 year

Notes:

- Charging time data measured at a standard ambient temperature of 25°C.
- Range data measured under a constant speed of 1.5 m/s.
- For usage guidelines of functional expansion interfaces, please refer to the Expansion Manual.
- For detailed warranty terms, please refer to the Product Warranty Manual.
- The above parameters are laboratory test results. Actual performance may vary depending on usage environment, operating conditions, and other factors. Please refer to real-world conditions.