

MagicBot

General-Purpose Bipedal Humanoid Robot

Magiclab Xiaomai: Transforming Industries Everywhere

China's First General-Purpose Humanoid Robot with Multi-Robot Collaboration

- 42 Active Degrees of Freedom for fluid, lifelike movements
- Equipped with in-house developed Magic-Hand (advanced dexterous hand) and joint modules
- Powered by Magic-Mind, our proprietary industry-specialized AI model, empowering businesses across industrial, commercial, and household sectors

Parameter Introduction

Dimensions (Standing)	174 × 58 × 28 cm (H × W × D)
Arm Span	160 cm
Leg Length (Thigh + Shin)	95 cm
Total Weight	Approx. 67.5 Kg
Battery	25 Ah (1.35 kWh)
	Max Voltage: 62.25V
Movement Speed	> 2 m/s
Maximum Dual-Arm Load	20 Kg
Peak Torque Density	>194 N·m/Kg
Maximum Joint Torque	>350 N·m
Maximum Slope Climbing	>20°
Dexterous Hand	11-DOF Tactile Dexterous Hand (standard)
Degrees of Freedom (Arm)	7 per Arm (Shoulder ×3, Elbow ×1, Wrist ×3)
Degrees of Freedom (Leg)	6 per Leg (Hip ×3, Knee ×1, Ankle ×2)
Computing	High-Performance Computing Module (standard)
Sensors	3D LiDAR, Depth Camera,
	Triple Fisheye Camera, Ultrasonic Sensors
Audio Module	Circular Microphone Array, Speaker
Communication Module	5G Module, Bluetooth 5.2, Wi-Fi 6
Gear Reducers	Planetary Reducers
	Harmonic Reducers

