



Service and Retail Station Solutions



AGIBOT Innovation (Shanghai) Technology Co., Ltd.

Creating Unlimited Productivity through Intelligent Machines



Service and Retail Station Solutions

Current Pain Points in Retail and Public Services: Reliance on human labor / Monotonous user experience / Insufficient traffic / Inadequate coverage. AGIBOT robot-powered service and retail stations leverage technological innovation to reshape retail formats and public services, comprehensively addressing industry pain points and ushering in a new era for retail and public services.

Challenges



Business operations rely entirely on manual labor, with limited operating hours; extending hours requires additional staff.



Customer interaction experiences are highly homogenized, lacking emotional connection and unable to meet Gen Z demand for personalized and immersive experiences.



Traditional retail locations lack effective marketing, resulting in low conversion efficiency and poor data accumulation.



Urban convenience services remain unevenly distributed, with limited coverage, inefficient information access, and high costs for public infrastructure investment.



Value Proposition



Fully autonomous robot operation with zero human intervention, enabling 24/7 revenue generation.



Embodied AI with lifelike humanoid interaction, supporting IP customization and scenario integration, delivering personalized value added services that increase customer engagement and loyalty.



Richer experiences drive interactive check-ins and social media sharing, boosting foot traffic; data-driven insights improve conversion and repeat purchases.



Adopting a "multi-purpose cabin, commercial + public welfare integration" model, it builds a community service network and an information dissemination network, achieving a win-win outcome for both commercial benefits and public services.

Commercial Humanoid Robot, Fully Autonomous Service and Retail Station, Creating a New Business Model for Information Services and Smart Retail

AGIBOT service and retail stations deliver a **"fully autonomous robot-powered commercial loop"**, replacing human labor; distinct from traditional self-service equipment, it features higher commercial value.



Human-Like, Multi-Modal Interaction



Integrated, Easy-to-Deploy Design



Autonomous Operation with Low Maintenance Costs



Product Features & Advantages

01 Autonomous Operation

Fully autonomous commercial humanoid robot-powered service and retail stations are capable of 24/7 self-operation with automatic charging, creating a new business model for information services and smart retail

02 Powerful Interaction

Human-like multi-modal interaction with pedestrian detection and feature recognition, enabling targeted engagement based on scenarios and product categories

03 Public Services & Information Consultation

Stations can include public service and information areas, with space for AEDs and emergency supplies. Robots can integrate knowledge bases to provide consultation services for cities, scenic spots, and commercial areas

04 Efficient Operations

Online monitoring and alerting with minute-level response and reduces the human-to-station ratio. Features include remote management such as one-key fault clearing and one-key restart

05 Perception & Grasping

High-stability perception and grasping; new products are adapted within 7 days, with >99% grasping and recognition success rates

06 Flexible & Easy-to-Integrate Space

Optimized space efficiency (5–16m²) with modular design for easy integration of partner functions

Personalized robotic interactions combined with futuristic station design create eye-catching landmarks, driving location traffic

Robotic Interaction Capabilities



Simulates Real Sales Associate Operations

This supports multi-modal interactions such as attracting customers during idle times and assisting during purchase stages (e.g., active solicitation during idle periods; proactive customer engagement when a potential customer is detected, guiding them to purchase)



Object-Based Personalized Interaction

Supports user recognition and demographic tagging, such as identifying children, enabling proactive, targeted greetings and sales interactions; providing proactive, personalized engagement and emotional value



Personalized Delivery Interaction

This delivers targeted voice prompts and feedback for purchased items (e.g., when handing over a product: "Here's your Pepsi. Hope everything stays 'Pepsi' for you today!")



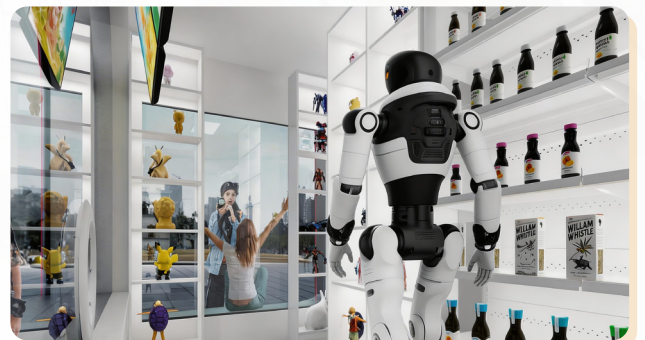
Humanoid Intelligent Community Service Terminal

Multi-modal interactive integration suitable for all user groups, supporting voice, gesture, QR code scanning, and other interaction methods. Human-like robot motions, such as nodding, waving, and gesturing, enhance the sense of warmth and engagement. Seamless switching between retail and public service modes allows the robot to automatically adapt based on interaction content without manual intervention

Station Design



Integrated high-tech booth with futuristic visual identity



Panoramic glass facade enabling multi-sided interactive engagement



Dedicated product displays that enhance brand visibility and conversion



Exclusive check-in zones designed to drive user-generated social sharing

Applicable Scenarios

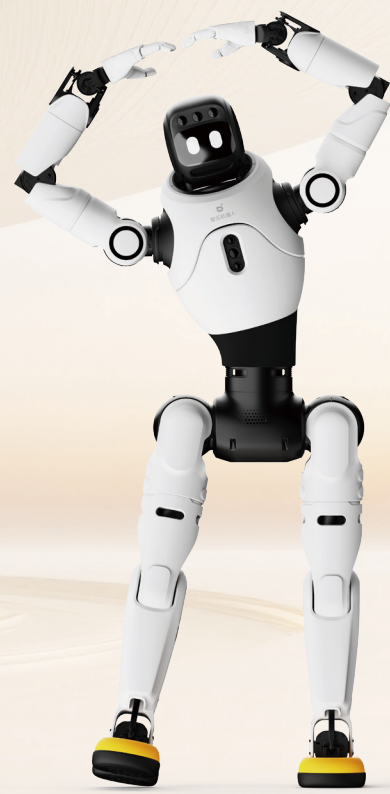
—Commercial Complexes, Office Buildings, Communities, Cultural & Tourism Sites, Parks & Venues, Transportation Hubs, etc.



Product Overview

AGIBOT X2

131cm Height	39kg Weight	2m/s Maximum Walking Speed
2h Battery Life	Supported Intelligent Interaction	30 Total DOF
7 Single Arm DOF	3000g Maximum End-effector Payload	500wh Battery Capacity
Yes Secondary Development	NVIDIA Orin NX 16GB High-Performance Computing Module	
RGBD camera + Binocular RGB camera + Interactive RGB camera + LiDAR + Rear-view camera Intelligent Perception		



Product Highlights



Dynamic Interaction

Custom Interaction | Multi-Modal Interaction |
Expressive Faces | Touch Feedback

- Custom Interaction: Supports the LinkSoul platform for personalized settings such as robot persona, wake words, and voice, meeting tailored operational needs
- Multi-Modal Proactive Interaction: Equipped with environmental recognition, face recognition of interaction targets, gesture and body detection; capable of proactive greetings, handshakes, and other skills
- Expressive Faces: 30+ facial expression animations to convey robot status engagingly
- Touch Feedback: Supports interactive responses such as head pat recognition with voice feedback
- Diverse Interactive Skills: Supports multilingual communication, motion control commands, singing, idiom games, poetry recitation, and more for engaging and entertaining interactions



Rich Motion Control

Full-Body Motion | Lying Down & Standing Up |
Action Generation & Choreography

- Rich Preset Movements: Over 20 preset, human-like agile movements for easy operation
- Effortless Solo Operation: Supports full-body motion switching (e.g., lying down to standing, sitting to standing), remote control, mobile app control, all manageable by one person
- Powered by LinkCraft Platform: Zero-code skill training for motion imitation, voice performance, and other operations
- Group Control Toolchain: Supports multi-robot collaborative performances, making group dance control more efficient and flexible
- Premium Performance Resources: Trendy dances, high-energy martial arts, cool stunts, etc., enabling a one-stop solution for entertainment and commercial performances



Autonomous Intelligence

Efficient Mapping | Navigation & Obstacle Avoidance | Autonomous Explanation & Q&A

- Multi-Dimensional Sensor Mapping: Equipped with RGBD, interactive RGB, binocular RGB, rear-view RGB, LiDAR, and other sensors; one-time mapping for exhibition hall guidance
- Path Planning and Obstacle Avoidance: capable of autonomous path planning and navigation with obstacle avoidance, able to detect both dynamic and static obstacles
- Proactive Greeting, Explanation & Q&A: Supports face recognition, proactive greeting of strangers, free Q&A from knowledge base, multi-language explanations, plus over 30 facial expressions and rich explanatory gestures for a fully integrated "greeting – explanation – Q&A" service
- Zero-Barrier Customization: Built-in exhibition presentation toolchain for easy creation and editing of scripts and actions, supporting customizable expressions, movements, voice, walking speed, duration, positioning, and motion choreography
- Powered by LinkCraft Platform: Zero-code motion control skill training for motion imitation, voice acting, group control, and group choreography
- Powered by LinkSoul Platform: Customizable interaction and personalized settings for robot persona, wake words, voice, etc., meeting tailored operational needs

Product Overview



AGIBOT G2

640*760*1795mm Robot Dimensions	185kg Total Weight	1.5m/s Maximum Speed
26 Total DOF	7 Single-Arm DOF	10kg Maximum Dual-Arm Payload
Four-wheel drive, omnidirectional movement Chassis Type	2.3m Max Operating Height	2070 TFLOPS (FP4) Computing Power
4h Battery Life	2h Charging Time	1652Wh Total Battery Capacity
0 to 40°C Operating Temperature	Direct Charging, Battery Swapping, Autonomous Recharging Charging Methods	

Product Highlights



High Operational Precision

- Equipped with high-precision force-controlled dual arms across all joints, achieving sub-millimeter precision operation, and compatible with the AGIBOT OmniHand Series 19-DOF dexterous hands
- Real-robot RL toolchain, enabling deployment and model switching with minimal demonstrations



Large Operation Range

- Operation height up to 2.3 meters, double-arm span 2.35 meters
- 5-DOF waist and legs, 26-DOF body, enabling humanoid-level flexible movement
- Omnidirectional movement and crabbing capability, achieving efficient movement and maneuverability



Long Working Battery Life

- Dual-battery hot-swappable design for 24/7 uninterrupted operations
- Automatic recharging for quick recovery



Advanced Interaction Capabilities

- Supports multi-person continuous voice conversation and knowledge base Q&A, accurately identifying conversation targets
- Combined with facial expressions and body movements; synergy with external devices, delivering lifelike, human-like interactions



Powerful Chip Computing Power

- Can be equipped with the NVIDIA Jetson Thor T5000, delivering up to 2070 TFLOPS (FP4)
- Provides strong computational support for multi-modal intelligence, real-time inference and interaction, and autonomous decision-making for complex tasks, enabling robots to transition from "demonstration-level" to "application-level."



Excellent Safety Protection

- 360° fisheye + LiDAR + ultrasonic radar, comprehensive all-around perception capability
- Active obstacle avoidance and collision perception, reducing safety risks

Case Study

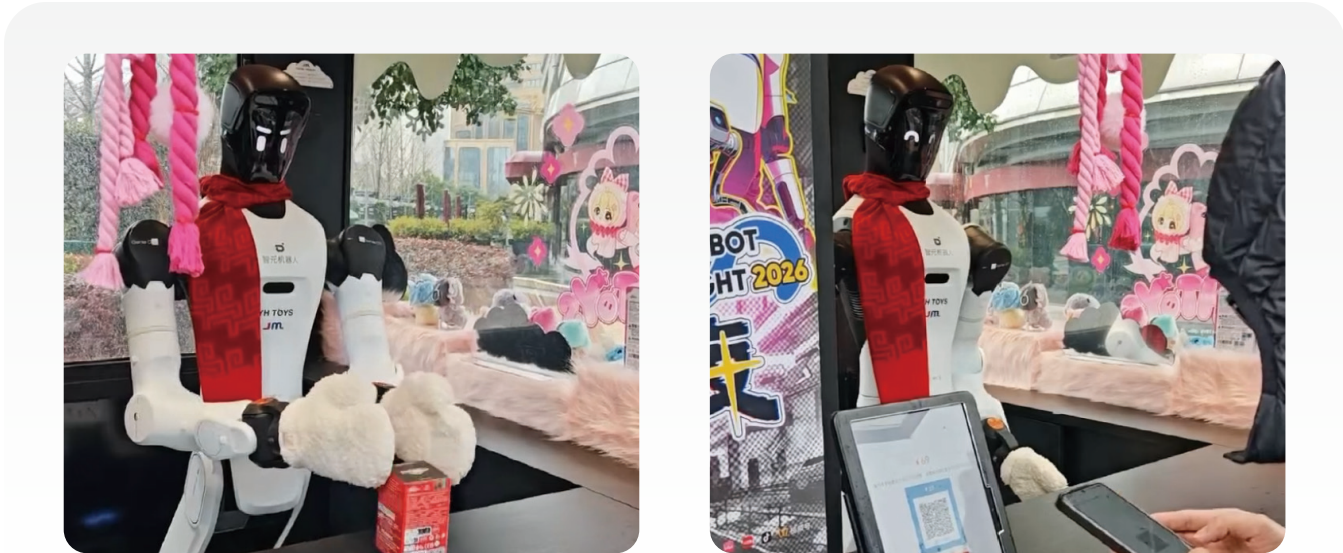
AGIBOT + Yuehua Wakuku Trend Toy Cabin

Powered by embodied AI and youth focused trendy toy IP, this solution creates an innovative terminal that combines immersive toy experiences with AI powered unmanned retail. It targets core audiences such as Generation Z, fan communities, and collectible toy enthusiasts, and is deployed in high-end commercial complexes, cultural landmarks, and transportation hubs with young and high-traffic demographics. This model sets a new benchmark for trendy toy retail by going beyond traditional robot stores that focus only on sales. It integrates three core elements into one unified experience: IP-driven engagement, interactive consumption, and social sharing.



Four Major Upgrades of AGIBOT × Yuehua Wakuku Trend Toy Cabin:

Dimension	Traditional Robot Store	AGIBOT × Yuehua Wakuku Trend Toy Cabin
Experience	Pure vending, weak interaction	Immersive AI robot interaction (IP voice, gesture responses, trendy toy knowledge)
Adaptability	Supports standard blind boxes only, limited display	Customizable shelves/displays for blind boxes, vinyl toys, accessories, etc.
Operations	Basic unmanned operation	Self-diagnosis + remote maintenance for higher stability
Social Features	No social design	Check-in interaction & social media sharing, aligning with Gen Z sharing habits



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