GATEIN TECHNOLOGY
جيت ان تكنولوجي

PRODUCT PRESENTATION · COMMERCIAL DELIVERY ROBOT

CADEBOT L100

Large Screen Efficient Delivery

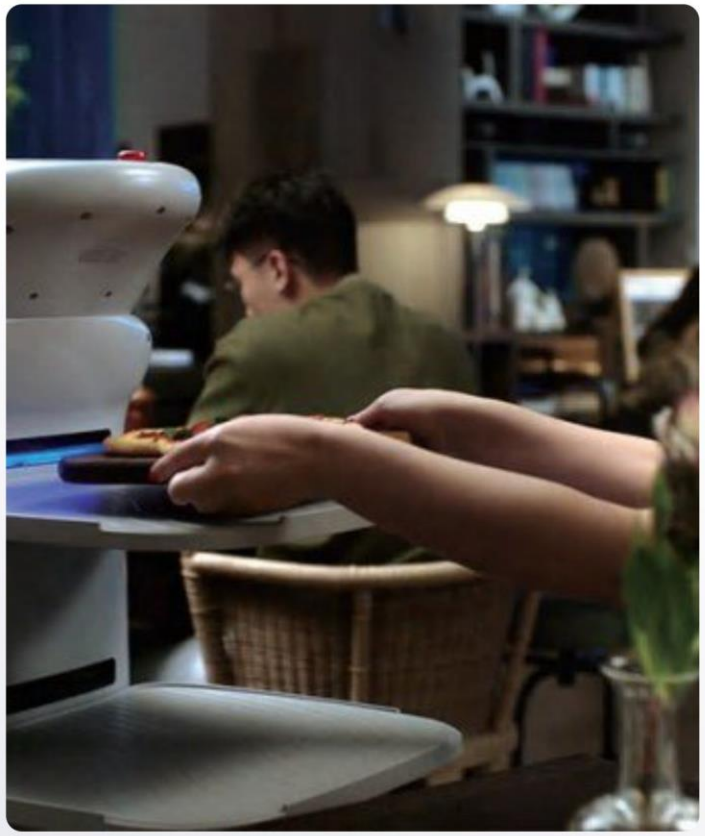
A multi-scene intelligent open delivery robot: user-friendly open trays, a 21.5-inch advertising display and lively, lifelike interaction.

Presented by GateIn Technology · Exclusive UBTECH partner in Egypt



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CADEBOT L100 Designed to deliver



Lifelike design

Human-like interaction mode and a novel communication experience.

270° open tray design

Convenient placement and easy retrieval from three sides.

Dual-chip configuration

Dual-core drive, doubling the intelligence.

21.5-inch ultra-HD display

Customizable marketing materials on a walking billboard.

L-shape structure

Automotive-grade Q345 alloy steel body; ADC12 aluminium die-cast trays; up to 40 kg load.

U-STABLE chassis

Automotive-grade shock-absorbing suspension and all-terrain, shock-absorbing wheels.

Multimodal interaction

Lifelike interactive design
Various lively expressions make human-robot interaction more fun.

Playful voice
Supports personalized voice customization.

3D lighting interaction
Light effects change with scenes and tasks, giving clearer status indications.

Intelligent tray with sensors
Built-in infrared sensors detect pick-up status; tray lighting minimizes errors.

Animated expressions
Exclusive original expressions for more engaging, natural interaction.

Mobile advertising display
Custom materials, USB quick import, cloud ad management, 4 service modes.

Multi-sensor fusion obstacle avoidance



Head-mounted RGBD depth camera

Object detection and cliff detection.

Front-to-back laser radar

Forward 202°, backward 55°; detection distance up to 30 m.

Chassis-mounted RGBD camera

Recognizes pedestrian movement and table legs.

Ultrasonic sensor

Transparent glass recognition and autonomous avoidance.

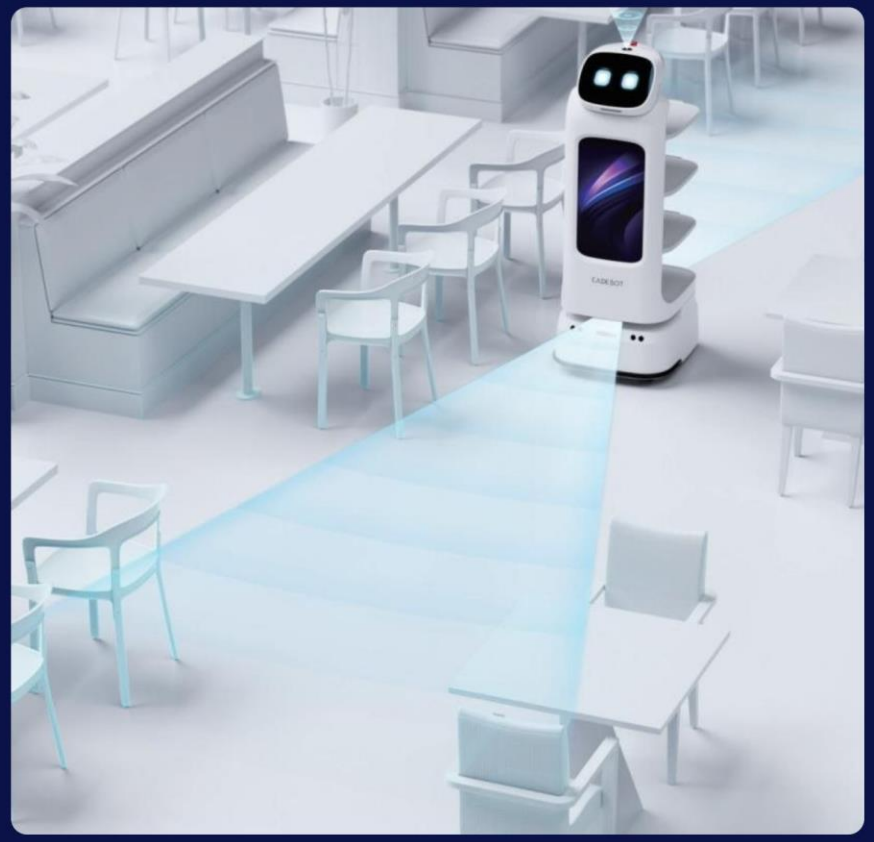
Electronic bumper strip

Real-time reaction on contact for safer driving.

Smooth, reliable operation

Independent suspension and obstacle-crossing, shock-absorbing wheels.

Smart navigation in busy spaces



Cloud centralized scheduling

Real-time multi-robot communication, even offline, for coordinated work.

U-SLAM fusion positioning

Laser SLAM plus top-view QR codes (3–5 m ceilings) and infrared fill light for low light.

Smooth passage in narrow lanes

Passes through 65 cm lanes.

Flexible adjustment to slopes

Speed adapts to slopes, with a speed-limit function (0.3–0.5 m/s).

Multi-table delivery

Autonomous optimal path planning in one operation, with password authorization.

Rapid deployment

Map once on one robot, then sync to the cloud over Wi-Fi or 4G for every robot.

Management & customization



User-friendly management platform

CRMS robot platform: marketing materials, status queries, map management; global multi-node deployment.



Customizable skins

Holiday, culture or sport themes, campaign or brand images; optional dust cover and charging dock.

Automatic recharging: returns to charge when the battery is low and works for 8 hours on a full charge.

Application scenarios

Also deployed in airports, factories, supermarkets and retail: cruising advertising, smart retail and reception with customized greetings.



Restaurants

Delivery, pick-up, dish return and guest reception.



Hotels

Buffet support and guest welcoming.

CADEBOT L100 General & movement

Parameter	CADEBOT L100
Product size	558 (L) × 484 (W) × 1265 (H) mm
Net weight · colour · body	55 kg · grey · ABS
Touch screen	10.1 inches, FHD 1920 × 1200
Advertising screen	21.5 inches, FHD 1920 × 1080, 16:9
Trays · load	4 trays · 10 kg per tray · 40 kg total
Moving speed	0–1.0 m/s
Climbing degree · obstacle height	≤ 5° · 15 mm
Passage width	≥ 650 mm (free navigation mode)

CADEBOT L100 System & power

Parameter	CADEBOT L100
Operating system	Linux, Android
Navigation sensors	LiDAR × 1, RGBD depth cameras × 2, top camera × 1 (QR code), front camera × 1, ultrasonic sensors × 2
Mic array · positioning	6 matrix microphones · centimetre-level accuracy
Network	4G (TDD-LTE, FDD-LTE), Wi-Fi 2.4G/5G
Battery	25.6 Ah ternary lithium battery
Charging · time	Line charging; automatic recharging with charging station · 4 h
Battery life	8 h working / 12 h standby
Optional accessories	Dust cover, charging dock
Packing list	Robot body, power adapter, instruction manual, warranty certificate, tray mats

Images and products are for reference; actual products may change. Final details per contract.

GateIn One accountable partner

We don't just ship the CADEBOT L100. GateIn designs, supplies, installs, integrates and supports UBTECH solutions for universities, schools, government and industry, from the first plan to long-term support.

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Let’s plan your CADEBOT L100 deployment

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