

# korben

## Korben Welcome Plus



### AI Service Robot

**Korben Welcome Plus:** an AI service robot, features a 27-inch HD large screen + 10.1-inch touch screen and is powered by the self-developed RobotOS system.

It offers industry customers a wide range of **promotional content** and **marketing solicitation options**.

Additionally, it supports **voice interaction, guiding, customizable large-screen backgrounds, and cruising capabilities**.

This robot is the perfect tool to **attract traffic, enhance smart marketing, and elevate service standards**.

### Key Benefits

#### Suspension system

Stable operation in various harsh environments such as uneven and greasy floors.

#### Batteries LG

Allows the robot to run uninterrupted for 9 hours.

#### Microphone and speaker

6 microphone arrays.  
Answer questions accurately, even in noisy environments.

#### High Definition Video

Displays predefined ads or promotions when detecting a human face.

#### 360° Smart Sensors

Built-in RGBD cameras, small obstacles can be detected quickly and accurately.

#### Dynamic Promotion

Able to perform a wide range of tasks including selling gift cards, presenting products and distributing coupons.

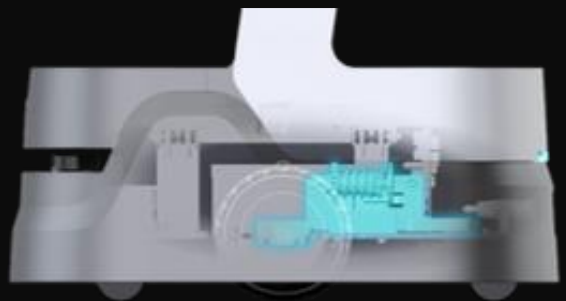


# Product Characteristics

Size (L*W*H)	530×500×1320 (mm)
Weight	43kg
Autonomy	9h
Charging time	4.5h
Interactive screen parameters	10.1 inch, touch screen, 1200 × 1920 pixel resolution
Large screen parameters	27 inches, display, 1080 × 1920 pixel resolution
Hardware	Qualcomm 8-core chip + 32-bit Microchip MCU
Navigation Sensor	LiDAR + Visual Positioning + Visual Obstacle Avoidance + Odometer + IMU
Microphone Array	Rows of 6 microphones, 360° sound source positioning
Operating System	Android 9
Supported Networks	4G supports TDD-LTE, FDD-LTE WiFi supports 2.4G/5G



The IR camera can be used for location markers positioning, effectively **solving issues of robot from falling off.**



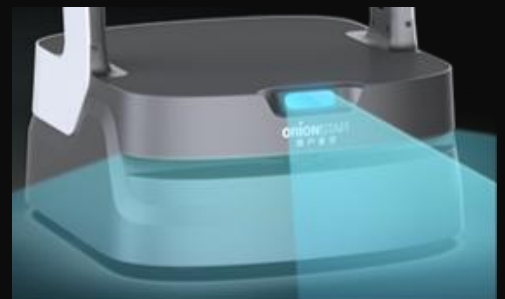
Multi-link vehicle suspension system  
**Stable operation in various difficult environments** such as uneven and greasy ground.



**27-inch HD Display**  
**10.1-inch touch screen**



Large battery capacity of 25.6Ah, extended battery life up to 9 hours. When power drops below 10%, it can **automatically returns to the charger.**



Built-in 210° LiDAR + 3D omnidirectional obstacle avoidance sensor achieves safer operation. Built-in RGBD depth camera can **detect small obstacles quickly and accurately.**