

# korben

Korben Delivery



## Fully Autonomous Robot

Korben Delivery is an AI-powered delivery robot designed to adapt to over 10 different use scenarios. Equipped with 6 microphones and 360° coverage, it ensures accurate recognition and delivers an immersive interactive experience.

With its dynamic promotion capabilities, it can provide a wide range of customer services. Additionally, its next-generation visual SLAM algorithms optimize movement, ensuring reliable and efficient support.

## 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 10 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.

### Load capacity

Capable of carrying loads of up to 40kg.



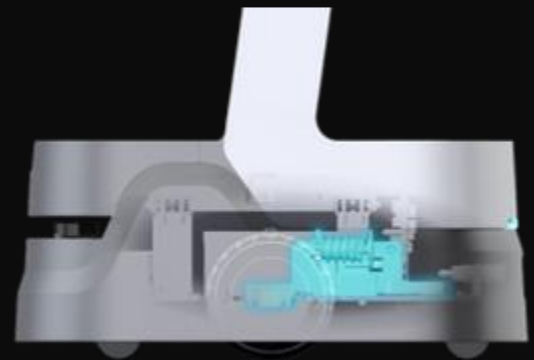
# Product Characteristics

<b>Size (L*W*H)</b>	530×500×1320 (mm)
<b>Weight</b>	37kg
<b>Autonomy</b>	10h
<b>Charging time</b>	4.5h
<b>Load Weight</b>	Per tray Max 10 kg - Total Max 40kg
<b>Load Space</b>	3/4 trays, adjustable levels
<b>Screen Size</b>	10.1 inch, touch screen, 1200 × 1920 pixel resolution
<b>Hardware</b>	Qualcomm 8-core chip +32-bit Microchip MCU
<b>Navigation Sensor</b>	LiDAR + Visual Positioning + Visual Obstacle Avoidance + Odometer + IMU
<b>Microphone Array</b>	Rows of 6 microphones, 360° sound source positioning
<b>Operating System</b>	Android 9
<b>Supported Networks</b>	4G supports TDD-LTE, FDD-LTE WiFi supports 2.4G/5G



## Independent Link Suspension System

High-efficiency, self-leveling suspension designed to minimize shocks. Ensures stable operation in challenging environments, including uneven and greasy floors.



## Built-in 3D omnidirectional obstacle Avoidance sensor + 210° LiDAR provides safer operation.

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## Built-in RGBD depth camera

Detect small obstacles quickly and accurately.

Powerful AI voice capability works seamlessly even in environments with up to 75 dB of ambient noise.



97% accuracy rate for AI speech recognition.

Speaks over 30 languages  
6 microphones for 360° coverage, effective range of 5m.

