

## Cost-effective, High-capacity Delivery Robot

### T6



#### Key Features

- Up to 40Kg full load ability for high demand.
- The big tray provides enough space for 4 pieces of 9-inch pizzas.
- Long service time: 15 hours uninterrupted service can be provided(actual results may vary).
- Smart charge: autonomous timed and quantitative charging with optional charging pile.
- Independently developed SLAM(synchronous localization and mapping) to ensure precise positioning and movements.
- Intelligent obstacle avoidance ability provides secure service with multiple sensor.
- Open access from the front and the rear of the tray makes it convenient for use.
- Multi-Robot collaboration: multiple robots can cooperate smoothly in the same working environment.

## Specifications

### Performance

Maximum Coverage Area per Device	200*200m <sup>2</sup>
Minimum Passage Width	70cm
Moving Speed	0.1~1.2m/s adjustable
Braking Distance	62cm(Max. moving speed & full load)
Slope Angle	≤ 5°
Battery Life	15-22h
Service Life Circle	20000h
Multi-robot Collaboration	Maximum 20 robots
Multi-point Delivery	Up to 20 points(single delivery)
Intelligent Obstacle Avoidance Maximum Detect Range	≤1.5M
Rated Power	40W

### Environment

Operating Temperature and Humidity	0 - 40°C, RH: 5% ~ 85%
Operating Environment	Indoor environment, flat ground, no dust
Storage Temperature	-30°C-60°C

## Battery and Charging

Battery Type	Ternary lithium battery
Battery Capacity	DC 48V 12Ah
Battery Dismountable	No
Charging Mode	Automatic charging with optional charging pile and manual charging by recharger
Charging Input	100-240V~,50/60Hz
Charging Time	6h(With recharger or charging pile, and robot powered on)
Charging Pile Dimension	215*290*230mm
Charging Pile Weight	2.2Kg

## Hardware

Machine Material	ABS
Positioning Method	Label Positioning
Positioning Accuracy	Centimeter-grade
Sensing Techniques	LiDAR, Stereo Vision, Image Module, Collision Sensor, IMU(Inertial Measurement Unit)
Sensor Coverage	LiDAR detection range: 183°, ≤2.25M, Stereo vision range: 150°, 0.1-1.5m
Image Module	120°, ceiling height required 2-8m
Network	Wi-Fi(2412-2472MHz)
Memory and Internal Storage	2GB RAM + 16GB ROM
Touch Screen	7 inch(1024*600)
Interactive Ability	Touch/Voice Prompt

## Measurements

Robot Dimension(WxDxH)	531*519*1256mm
Box Dimension(WxDxH)	550*610*1305mm
Robot Weight	52kg
Tray Amount	4(Can be adjusted 3)
Tray Dismountable	yes
Space of Each Layer	515*426*180mm(With default 4 trays); 515*426*270mm(Adjusted to 3 trays)
Tray Access	Open access from the front and the rear
Load Capacity	40Kg (10kg per layer)

## System and Function

System	Linux(Control) & Android(Interaction)
App Language	Chinese, English, Japanese, Korean, Thai language, Cantonese, Germany, French, Italian, Arabic, Vietnamese, Russian, Spanish, Portuguese, and other language customizable
App Functions	Food delivery, Snack, Direct delivery, Multi-point delivery, Blessing Mode, Welcome Mode
Expression	10 types
Voice Reminder	Different voice prompt in different working mode and general operation.

## Official Standard and Optional Parts

Package Main Contents	Robot*1, Tray pad*4, Battery recharger*1, Product Manual*1
Optional Part	Charging Pile, Tray Pad(Additional purchase besides the package contents)
Robot Color Optional	White

### Package Content



Tray Pad\*4



Battery Recharger\*1

\*The actual recharger may be different.



Product Manual\*1



Charging Pile

### Optional Parts

### Main Unit and Dimension

