

Hotel Delivery Robot

W3



Key Features

- Industry-leading autonomous navigation solutions to ensure precise localization and movements
- 3D stereo obstacle avoidance performance with 120° wider viewing angle
- Automatically lift taking performance ensured by Keenon own robots lift control solution
- Long service time: **15 hours** uninterrupted service can be provided(actual results may vary)
- Arc-shaped body design, advanced and rounded to avoid accidental bumping
- Fully automatic design of cabin opening and closing, designed to prevent pinching hands
- Extra large **90L** delivery space with **4** independent compartments to private distribution of multiple items during peak periods
- Extreme Obstacle Crossing Performance: **7 degree** climbing capacity, **15mm** Vertical Height, **30mm** Gap Width

Specifications

General

Product Size(W*D*H)	450*550*1080mm
Product Weight	48KG
Number of Cabins	2/3/4
Cabin Size	390*385*300mm (contain 66 bottles of 550ml water)
Layer Detachable	Yes
Cabin Load Capacity	20kg (5kg per layer, with bottom layer capacity at 10kg)
Screen Size	11.6 inch
Screen Resolution	1920*1080 P
Screen Interactive Mode	light/Touch
Speaker	2 sound tracks
Positioning & Navigation	Laser, IMU, encoder multi-sensor positioning & navigation
Obstacle Avoidance	Dual stereo vision, Anti-collision strips
Sensors	LiDAR, depth vision sensor, and touch sensor
Main Material	ABS Plastic for body
Color Optional	Silver/Champagne gold

Performance

Max Speed	0.8m/s (normal pedestrian speed)
Battery Endurance	9-12h (assuming 3 deliveries per hour and 5 minutes for each delivery)
Standby Time	Max 15h
Maximum Climbing Angle	Slope \leq 7°
Overpass Height	Max 15mm
Minimum Pass Width	70cm
Service Life	20000 hours
Obstacle Avoidance Coverage	Lidar detection range: 270°, \leq 20m; Stereo vision range: 120°, 0.1-1.5m
Multi-robot Collaboration	Maximum 20 robots
Multi-point Delivery	Up to 4 rooms (Single journey)

Battery and charging

Battery Capacity	DC48V 12AH
Battery Dismountable	No
Charging Mode	Auto/Manual
Charging Input	100-240V~,50/60Hz
Charing Time	Approx. 6.5 hours
Charging Pile Dimension	230*220*290 mm
Charging Pile Weight	2.5 KG

Operation Environment

Operating Temperature, Humidity	0 - 45°C, RH: 5% ~ 85%,dust free
Working Environment	Flat and smooth ground indoors
Storage Temperature	0°C-60°C

Others

WIFI	802.11b/g/n transmission
WIFI Frequency	2.4-2.484GHZ
LoRa Frequency	850.125MHz~930.125MHz

Package Content



Battery Recharger*1

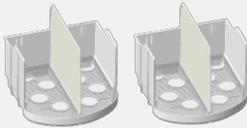
*The actual recharger may be different.



Charging pile*1



Product Manual*1



Inset Compartment

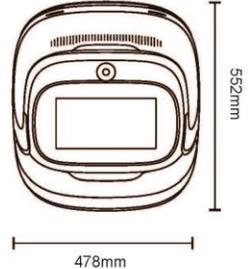
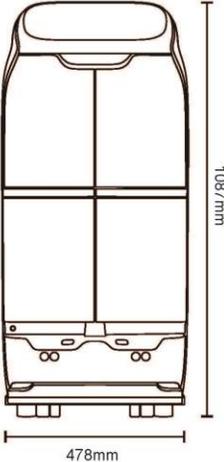
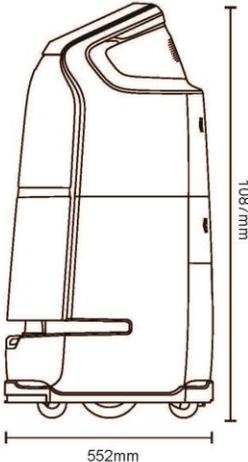
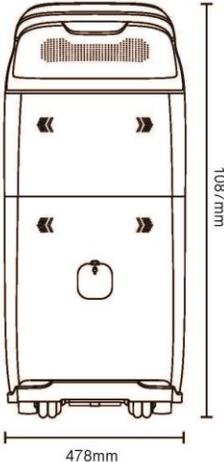


Compartment Splitter Plate

Main Unit and Dimension



Main Unit and Dimension



Flexible and Interactive Delivery Robot

T11



Key Features

- **Extraordinary Moving Ability:** With a minimum path width requirement of just only 49cm, T11 navigates narrow spaces, making it versatile for various environments .
- **Optional Headwear:** Optional cat ear and rabbit ear makes T11 more adorable .
- **Intelligent Self-Pickup Experience:** T11's plate detection sensors, tray indicators, new tray indication spotlight, voice prompts, and visual guidance streamline self-pickup while offering interactive feedback for a seamless customer experience .
- **Advertising Capabilities:** Equipped with a 18.5-inch 1080P advertising screen and two advertising modes, T11 transforms into a powerful marketing tool to engage customers .
- **New Guidance Mode:** T11 guides customers to their destinations and returns to the start point autonomously, making it ideal for restaurants, hotels, airports, and more .
- **Enhanced Safety:** T11 incorporates FIVE stereo vision sensors for enhanced safety and obstacle avoidance, setting new standards for food delivery robots .
- **Intuitive Operation Screen:** Featuring a 10.1-inch 1080P operation screen, T11 provides a user-friendly interface for easy interactions .
- **Sensor Fusion:** T11 features an advanced VSLAM sensor for precise navigation through sensor fusion with LiDAR, expanding its versatility .
- **Smooth Delivery:** Ensured by a shock-absorbing chassis

Specifications Performance

Maximum Coverage Area per Device	200*200m ²
Minimum Passage Width	49cm
Moving Speed	0.1~1.0 m/s adjustable
Braking Distance	70 cm(Moving Speed 1.0 m/s and Full Load on dry road)
Slope Angle	≤ 5°
Battery Life	Up to 9h(Battery from 100% to 5%, brightness of the advertising screen is set to 100%, actual performance may vary)
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	55W

Environment

Operating Temperature and Humidity	0 - 40°C, RH:5%~85%
Operating Environment	Indoor environment, flat ground, no dust
Storage Temperature and Humidity	Temperature: -15°C-45°C; Humidity: 20%-80%RH

Battery and Charging

Battery Type	Ternary lithium battery
Battery Capacity	DC25.9V, 20.8Ah
Charging Mode	Automatic charging with charging pile and manual charging by recharger
Charging Input	100-240V~, 50/60Hz
Charging Time	5.5h(With recharger or charging pile, and robot powered on)
Charging Pile Dimension	305*220*146mm
Charging Pile Weight	2.2kg

Hardware

Machine Material	ABS & aluminum alloy
Positioning Method	Sensor Fusion(LiDAR and VSLAM Sensor)
Positioning Accuracy	Centimeter Level
Sensing Techniques	Lidar, Stereo vision, Image module, Collision sensor, IMU
Sensor Coverage	Lidar detection range: 210°, <=25 m; Stereo Vision range: 260°, <=1.5 m; VSLAM Sensor, ceiling height required 2-6 m
Network	Wi-Fi: 2.400-2.4835GHz, max 13.90dBm; ESP01: 2.400-2.4835GHz, max 13.90dBm
Memory and Internal Storage	2GB RAM + 16GB ROM
Touch Screen	10.1inch(1280*800)
Advertisement Screen	18.5 inch(1080*1920)
Interactive Ability	Light/Touch/Voice Prompt

Measurements

Robot Dimension(W*D*H)	384*463*1123mm
Robot Weight	38kg
Tray Amount	3(fixed)
Tray Dismountable	no
Space of Each Layer	383*342*220mm(The upper two), 383*342*285mm(The bottom layer)
Tray Access	300° easy access
Load Capacity	20kg (5Kg per layer for the upper two layers, with 10Kg for bottom layer)

System and Function

System	Linux(Control) & Android(Interaction)
App Language	Chinese, English, Japanese, Korean, Germany, French, Italian, Spanish
App Functions	Food Delivery, Multiple Delivery, Dish Return, Greeting and Escort, Celebration
Expression	5 types
Voice Reminder	Different voice prompt in different working mode and general operation.

Official Standard and Optional Parts

Package Main Contents	Robot*1, Silicone Pad*2 , Battery Recharger*1, Charging Pile*1, Product Manual*1
Robot Color Optional	White

Package Content



Silicone Pad*2



Battery Recharger*1

*The actual recharger may be different.



Product Manual*1



Charging Pile*1

T10



Key Features

- **High Load Capacity:** T10 boasts a maximum load capacity of 40Kg, accommodating multiple orders with ease, thanks to its four spacious trays.
- **Extraordinary Moving Ability:** With a minimum path width requirement of just 58.5cm, T10 navigates narrow spaces, making it versatile for various environments.
- **Intelligent Self-Pickup Experience:** T10's plate detection sensors, tray indicators, voice prompts, and visual guidance streamline self-pickup while offering interactive feedback for a seamless customer experience.
- **Advertising Capabilities:** Equipped with a 23.8-inch 1080P advertising screen and two advertising modes, T10 transforms into a powerful marketing tool to engage customers.
- **New Guidance Mode:** T10 guides customers to their destinations and returns to the start point autonomously, making it ideal for restaurants, hotels, airports, and more.
- **Enhanced Safety :** T10 incorporates four stereo vision sensors for enhanced safety and obstacle avoidance, setting new standards for food delivery robots.
- **Interactive Feedback:** T10 offers interactive feedback through nods and headshakes, enhancing customer engagement and reinforcing correct actions.
- **Intuitive Operation Screen:** Featuring an 11.6-inch 1080P operation screen, T10 provides a user-friendly interface for easy interactions.
- **Sensor Fusion:** T10 features an advanced VSLAM sensor for markerless deployment and precise navigation through sensor fusion with LiDAR, expanding its versatility.

Specifications

Performance

Maximum Coverage Area per Device	200 x 200 m ²
Minimum Passage Width	58.5 cm
Moving Speed	0.1~1.0 m/s adjustable
Braking Distance	70 cm(Moving Speed 0.8 m/s and Full Load on dry road)
Slope Angle	≤ 5°
Battery Life	9h – 12.5h
Service Life Circle	20000h
Multi-robot Collaboration	Maximum 20 robots
Multi-point Delivery	Up to 20 tables(Single journey)
Intelligent Obstacle Avoidance Maximum Detect Range	≤1.5 M

Environment

Operating Temperature and Humidity	0 - 40°C, RH: 20% - 80%
Operating Environment	Indoor environment, flat ground, no dust
Storage Temperature	-15°C-45°C, RH: 20% - 80%

Battery and Charging

Battery Type	Lithium iron phosphate battery
Battery Capacity	DC25.6V, 28.5Ah
Battery Dismountable	No
Charging Mode	Automatic charging with the bundled charging pile and manual charging by recharger
Charging Input	100-240V~,50/60Hz
Charging Time	5.5h with Charging Pile and 4h with recharger
Charging Pile Dimension	305*220*146mm
Charging Pile Weight	2.4Kg

Hardware

Machine Material	ABS and aluminum alloy
Positioning Method	Sensor Fusion(LiDAR and VSLAM Sensor)
Positioning Accuracy	Centimeter grade
Sensors	LiDAR, Stereo Vision Sensor, VSLAM Sensor, IMU(Inertial Measurement Unit)
Sensor Coverage	Lidar detection range: 240°, <=25 m; Stereo Vision range: 300°, <=1.5 m; VSLAM Sensor, ceiling height required 2-6 m
Network	Wi-Fi: 2412-2472MHz, max 17.73dBm; ESP01: 2412-2472MHz, max 17.65dBm
Memory and Internal Storage	2GB RAM + 16GB ROM
Touch Screen	11.6inch(1920*1080)
Advertisement Screen	23.8 inch(1080*1920)
Interactive Ability	Light/Touch/Voice Prompt

Measurements

Robot Dimension(W x D x H)	486 x 555 x 1399mm
Robot Weight	60 Kg
Layer Amount	4
Space of Each Layer(W x D x H)	First layer: 485 x 410 x 240mm 2nd layer: 485 x 410 x 215mm 3rd layer: 485 x 410 x 205mm
Tray Access	Open access
Load Capacity	40Kg(10Kg for each layer)

System and Function

System	Linux(Control) & Android(Interact)
App Language	Chinese, English, Japanese, Korean
App Functions	Food Delivery, Multiple Delivery, Dish Return, Greeting and Escort, Celebration
Expression	5 types
Voice Reminder	Different voice prompt in different working mode and general operation.

Official Standard and Optional Parts

Package Contents	Robot*1, Silicone Pad*4 , Battery Recharger*1, Charging Pile*1, Product Manual*1
Robot color optional	White

Package Content



Silicone Pad*4



Battery Recharger*1

*The actual recharger may be different.

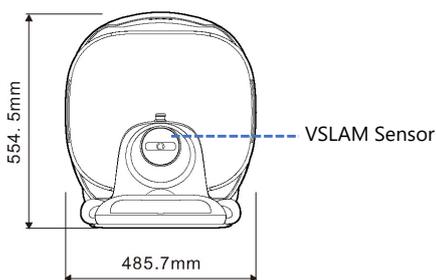
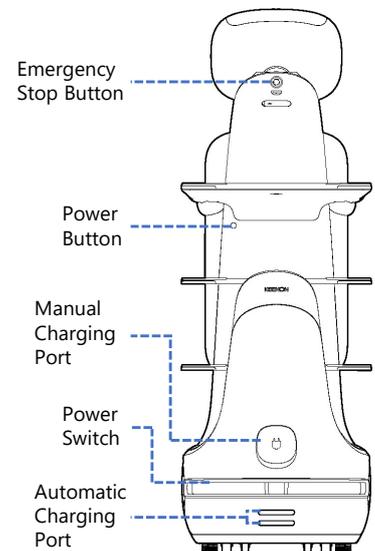
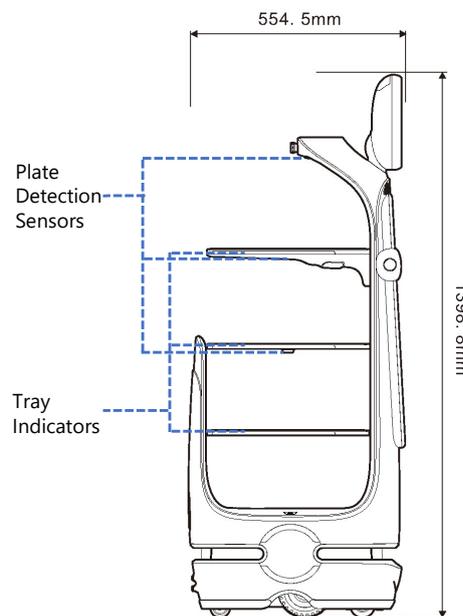
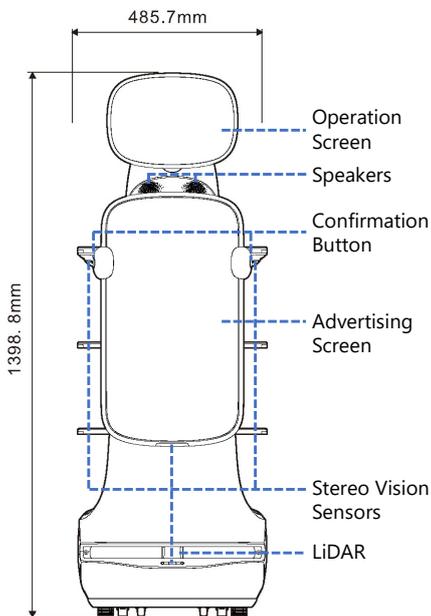


Charging Pile*1



Product Manual*1

Main Unit and Dimension



T9



Key Features

- Features a new 11.6-inch high-definition display with a high refresh rate, enhancing user experience and facilitating easy operation.
- Accommodates a variety of item sizes with its flexible trays and a maximum payload capacity of 40kg.
- A shock-absorbing chassis ensures smooth delivery, expanding the range of deliverable food types and broadening the scope of use scenarios.
- Supports collaboration among up to 20 robots, expanding payload capacity and enabling a wider range of services.
- Autonomously navigates to charging stations, eliminating the need for human intervention and ensuring uninterrupted operation.
- Achieves accurate positioning and precise movements with its independently developed SLAM technology.
- Employs multiple sensors, including LiDAR and stereo vision sensors, for intelligent obstacle avoidance during navigation.

Specifications

Performance

Maximum Coverage Area per Device	200*200m ²
Minimum Passage Width	70cm
Moving Speed	0.1~0.8m/s adjustable
Braking Distance	80cm (Max. moving speed & full load on dry road)
Slope Angle	≤ 5°
Battery Life	13-18
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	50W

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	DC48V, 12Ah
Battery Dismountable	No
Charging Mode	Automatic charging with charging pile and manual charging by recharger
Charging Input	100-240V~,50/60Hz
Charging Time	4h (With charger or charging pile, and robot powered on)
Charging Pile Dimension	215*290*230mm
Charging Pile Weight	2.2kg

Hardware

Machine Material	PC & ABS
Positioning Method	Laser Positioning/Label Positioning(for the start point if charging pile is not used)
Positioning Accuracy	Centimeter Level
Sensors	LiDAR, Stereo Vision Sensor, Image Module, Collision Sensor, IMU(Inertial Measurement Unit)
Sensor Coverage	Lidar detection range: 216°, <=20M; 3D Stereo vision range: 140°, 0.1-1.5m
Image Module	120°, ceiling height required 2-8m
Network	Wi-Fi(2412-2472MHz)
Touch Screen	11.6 inch(1080p)
Interactive Ability	Light/Touch

Measurements

Robot Dimension(WxDxH)	500*527*1266mm
Box Dimension(WxDxH)	550*610*1305mm
Robot Weight	63kg (Charging pile is not included)
Tray Amount	4
Tray Dismountable	Yes
Space of Each Layer	490*404*195mm(The 1 st upper layer), 490*404*169mm(The lower three layers); 490*404*253mm(The 1 st upper layer, adjusted to 3 trays), 490*404*228mm(The lower two layers, 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
App Functions	Food delivery, Snacks, Direct delivery, Multi-point delivery, Welcome Mode
Expression	3 types
Voice Reminder	Different voice prompt in different working mode and general operation.

Official Standard and Optional Parts

Package Main Contents	Robot*1, Silicone Pad*4 , Battery Recharger*1, Product Manual*1, Charging Pile*1
Robot Color Optional	White

Package Content



Silicone Pad*4



Battery Recharger*1

*The actual recharger may be different.



Charging Pile*1



Product Manual*1

Optional Parts



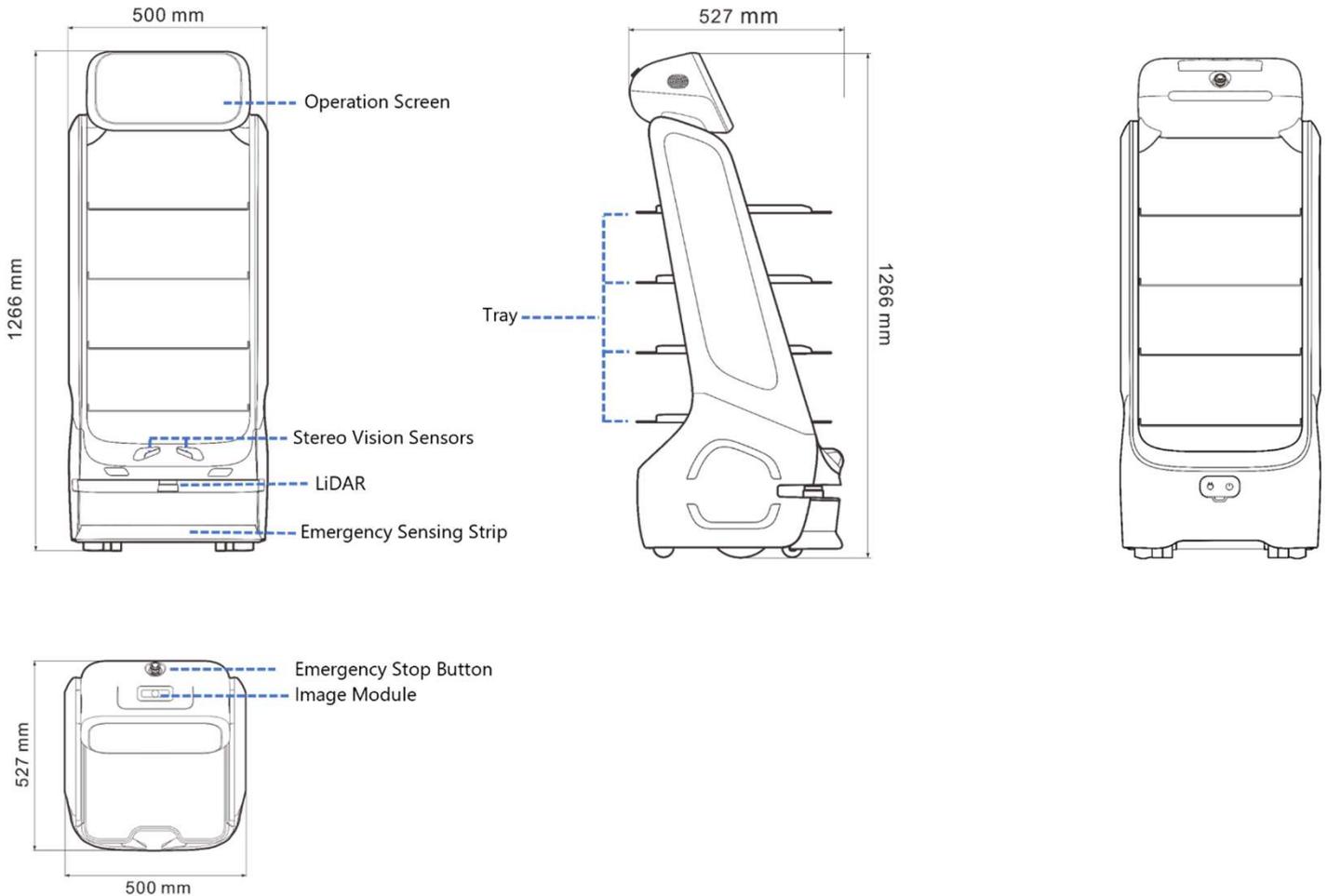
Floating Tray



Dishpan

*The actual Dishpan may be different.

Main Unit and Dimension



Flexible and Interactive Delivery Robot

T8 LS



Key Features

- 55cm minimum passage width: make T8 go freely in various limited spaces.
- The device employs a die-cast chassis, offering enhanced strength, durability, and lightness, with a narrowed gap design to deter rodent infiltration.
- Smart charge: autonomous timed and quantitative charging with 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.
- Convenient use: ultra wide fetching space with up to 300° access angle to allow easy food placing and taking.
- Multi-Robot collaboration: multiple robots can cooperate smoothly in the same working environment.
- Multiple ways reminder: voice, expressions and tray indicator light to remind the customer to pick up food.
- With the new plate detector, there's no need for any additional confirmation on the touch screen. Simply pick up the meal, and the T8 will seamlessly move on to its next task.

Specifications

Performance

Maximum Coverage Area per Device	200*200㎡
Minimum Passage Width	55cm
Moving Speed	0.1~0.8m/s adjustable
Braking Distance	0.6m(Max. Moving speed & Full load)
Slope Angle	≤ 5°
Battery Life	11-14h
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	35W

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	DC25.9V, 20.8Ah
Battery Dismountable	No
Charging Mode	Automatic charging with charging pile and manual charging by recharger
Charging Input	100-240V~,50/60Hz
Charging Time	5h(With recharger or charging pile, and robot powered on)
Charging Pile Dimension	305*220*146mm
Charging Pile Weight	2.2kg

Hardware

Machine Material	ABS & aluminum alloy
Positioning Method	Laser Positioning/Label Positioning(for the start point if charging pile is not used)
Positioning Accuracy	Centimeter Level
Sensing Techniques	Lidar, Stereo vision, Image module, Collision sensor, IMU
Sensor Coverage	Lidar detection range: 204°, ≤20m, Stereo vision range: 120°, 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	10.1inch(1280*800)
Interactive Ability	Light/Touch/Voice Prompt

Measurements

Robot Dimension(WxDxH)	384*468*1111mm
Box Dimension(WxDxH)	480*590*1166mm
Robot Weight	34kg
Tray Amount	3(fixed)
Tray Dismountable	no
Space of Each Layer	383*342*220mm(The upper two), 383*342*285mm(The bottom layer)
Tray Access	300° easy access
Load Capacity	20kg (5Kg per layer for the upper two layers, with 10Kg for bottom 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, Silicone Pad*2, Battery Recharger*1, Charging Pile*1, Product Manual*1
Robot Color Optional	White

Package Content



Silicone Pad*2



Battery Recharger*1



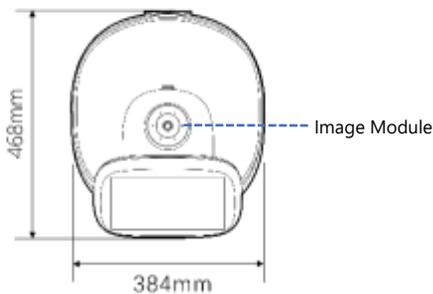
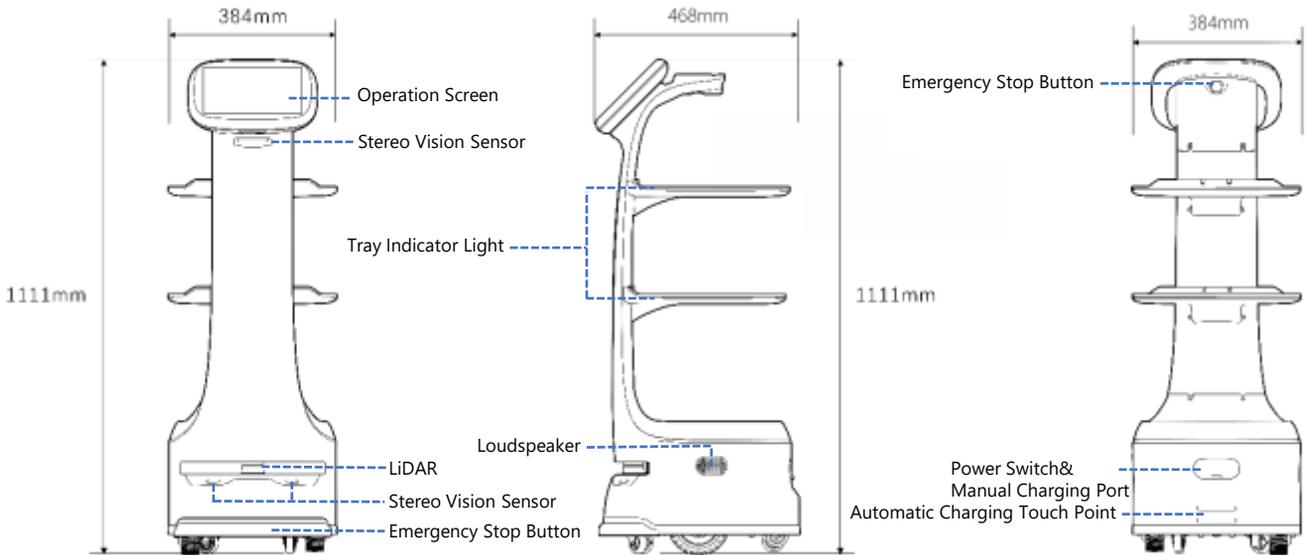
Product Manual*1



Charging Pile*1

*The actual recharger may be different.

Main Unit and Dimension



Heavy-load Delivery Robot

S100



Key Features

- *Multi-Modal SLAM: Utilizing multiple sensors and modules, including dual LiDAR, tri-stereo vision, and image modules, to enhance localization accuracy.*
- *360° Obstacle Detection and Avoidance: Capable of accurately identifying and avoiding low-lying and suspended obstacles, ensuring safe movement of the robot.*
- *Human-Robot Coexistence: Providing ultimate safety assurance in environments where humans and robots coexist, ensuring secure interaction between humans and machines.*
- *IoT Connection with Essential Facilities: Support lift taking , passing through automatic doors, and support the integration of complete call systems.*
- *7*24H Working : 15-second battery swap for uninterrupted 24/7 delivery, supports auto, manual charging and battery swap for diverse operational needs.*
- *Stability and Maneuverability: The machine exhibits exceptional stability and maneuverability, adapting to various complex terrain environments to ensure smooth motion.*

Specifications

Performance

Robot Dimension	925mm*620mm*1282 mm
Load Capacity	100kg+
Minimum Passage Width	900mm (without rotation)
Maximum Compatible Shelf Size	913mm*616mm*800 mm
Standard Shelf Size	865mm*600mm*800 mm
Max Moving Speed	1m/s
Battery Life	8h
Charging Time	2.5h (0-100%)
Robotic Travel Direction	Unidirectional Travel
Rotation Capability	360° rotation in place
Slope Angle	≤ 2.8°
Braking Distance	±10cm. ±10°
Gap Crossing Ability	≤35mm
Obstacle Crossing Ability	≤10mm
Chassis Ground Clearance	≤25mm

Environment

Operating Temperature and Humidity	0 - 50°C, RH: 5% ~ 95%
Operating Environment	Indoor environment, flat ground, no dust
Storage Temperature	0-55°C
Noise	<60dB

Battery and Charging

Battery Type	Ternary lithium battery
Battery Capacity	DC48V12Ah
Battery Dismountable	Yes
Charging Mode	Automatic charging with charging pile, manual charging by recharger and battery Swap
Charging Input	100-240V~,3.5A(MAX.)50/60Hz
Charging Output	54.6V,5A
Charging Pile Dimension	305mm*220mm*146mm

Hardware

Machine Material	ABS & aluminum alloy
Robot Weight	< 100KG
Positioning Method	Laser Positioning (for the start point if charging pile is not used)
Sensing Techniques	Lidar, Image module, Stereo vision, Collision sensor, IMU
Front and Rear Collision Sensor Detection	20 ~ 150N
Emergency Stop Button	Front, Side, Rear
Network	Wi-Fi/4G
Touch Screen	10.1inch(1280*800)
Interactive Ability	Light/Touch/Voice Prompt
WIFI	802.11b/g/n transmission
WIFI Frequency	2.4-2.484GHZ
LoRa Frequency	850.125MHz~930.125MHz

System and Function

System	Linux(Control) & Android(Interaction)
App Language	Chinese, English, Japanese, Korean, Thai
App Functions	Direct delivery, Multi-point delivery, Cycle Mode
Voice Reminder	Different voice prompt in different working mode and general operation.

Official Standard and Optional Parts

Package Main Contents	Robot*1, Battery Recharger*1, Charging Pile, Product Manual*1
Optional Part	Calling System, Container, TBD

Package Content



Battery Recharger*1

*The actual recharger may be different.



Product Manual*1



Charging Pile*1

Optional Parts



Call Button



Control Center



Shelf

Disinfection Robot

M2



Key Features

- High efficient sterilization :**99.9999%** sterilizing rate , dual mode 360° disinfection
- **200μw/cm²** irradiation intensity
- Laser/vision/depth vision fusion positioning and navigation
- Multiple obstacle avoidance composite methods to improve safety, support lidar obstacle avoidance+ stereo vision obstacle avoidance
- Safer disinfection process, no adhesion, small particles, no residue
- Large capacity of disinfectant, circulating disinfection
- Multitask mode: four disinfection methods and three task modes
- Low power automatic recharging
- Regional pedestrian monitoring
- Voice broadcast customization

Specifications

General

Product Size(W*D*H)	500*500*1350mm
Product Net Weight	60KG
Screen Size	7 inch
Screen Resolution	1024*600
Screen Interactive Mode	Light/Touch
Positioning & Navigation	Laser, IMU, Encoder multi-sensor positioning & navigation
Obstacle Avoidance	Single stereo vision, Anti-collision strips
Sensors	LiDAR, depth vision sensor, and touch sensor
Main Material	ABS Plastic for body
Color	White
Number of Nozzles	6 sets
Disinfection Mode	Dry Mist Disinfection
	Ultraviolet Irradiation
	Dry Mist Disinfection+Ultraviolet Irradiation
Disinfectant Capacity	10L
Ultraviolet Radiation Intensity	More than 200μW/cm ² (1m)
Fogging Volume	0.5-1.5 L/h
UV Disinfection Lamp Quantity	4 sets
UV Disinfection Lamp Power	36W per Lamp

Performance

Max Speed	0.8m/s
Standby Time	24h
Climbing Angle	Max 3°
Minimum Pass Width	70cm

Battery and charging

Battery Capacity	DC48V 15AH
Battery Endurance	3h-4h (Single Module)
Battery Dismountable	No
Charging Mode	Auto/Manual
Charging Input	100-240V~,50/60Hz
Charing Time	5h
Charging Pile Dimension	230*220*290 mm
Charging Pile Weight	1.2KG

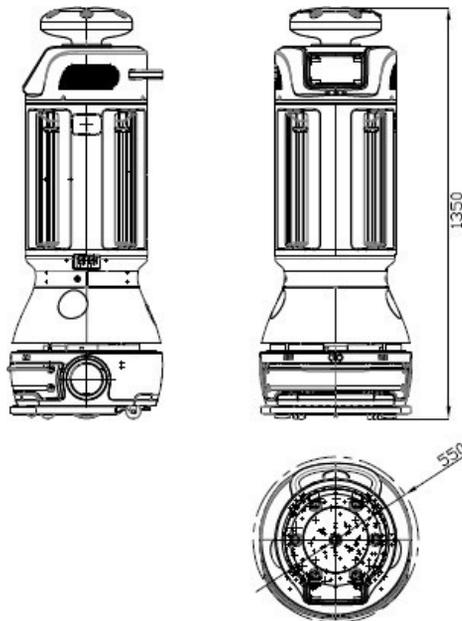
Operation Environment

Operating Temperature, Humidity	0 - 45°C, RH : 5% ~ 85%,dust free
Working Environment	Flat and smooth ground indoors
Storage Temperature	0°C-60°C

Others

WIFI	802.11b/g/n transmission
WIFI Frequency	2.4-2.484GHZ
LoRa Frequency	850.125MHz~930.125MHz

Main Unit and Dimension



Professional 4-in-1 Cleaning Robot for Small to Medium Spaces

C40



Key Features

- Triple-Brush Dry/Wet Separation System: Prevents cross-contamination between dry and wet debris, enabling One-Step Mode Switching for Vacuuming/Scrubbing.
- Instant Drying with Zero Water Residue: 23,500Pa suction power ensures immediate drying post-scrubbing in seconds.
- Multi-Modal 3D Perception for Complex Environments: Sensor Fusion: LiDAR + Stereo Vision Sensors + Line Laser Sensors + Ultrasonic Sensors. And Keenon Navigation & Obstacle Avoidance: Optimized algorithms for human-coexisting spaces.
- Hygienic Waste Management: Fully Removable and Washable Wastewater Tank prevents odor and bacterial growth through thorough rinsing.
- Superior Adaptability & Efficiency: 400 mm vacuuming/scrubbing width for large-area coverage, with a minimum passable width of 65 cm
- High-Capacity Battery (25.6V 50Ah) with Quick-Swappable Support: Enables extended runtime and *almost uninterrupted operation via rapid battery replacement. (*Enables rapid battery swaps with almost zero interruption.)
- Intuitive Operation Interface: 11.6-inch HD touchscreen with user-centric UI design.
- Ergonomic Control Panel: Rear-Tilting Control Panel enables stand-up operation and manual cleaning.
- Effortless Maintenance: Quick-Switch Consumables (side brushes, dust bag, clean/dirty water tanks) and brush rails for rapid disassembly.
- Smart Cleaning Ecosystem: Full management via Mobile App and KEENON Cloud featuring IoT integration, break-point resumption, auto-recharging, and multi-device coordination.

Specifications

Performance

Cleaning Mode	Sweeping Mode, Vacuuming Mode(Sweeping + Vacuuming), Dust Mopping Mode(Sweeping + Dust Mopping) Scrubbing Mode(Sweeping + Scrubbing), Water Extraction Mode
Cleaning Efficiency	Up to 1100m ² /h
Cleaning Area	Up to 3000m ² for Vacuuming and 2500m ² for Scrubbing
Suction Power	Up to 23500Pa
Maximum Cleaning Width	Sweeping: 560mm (With double Side Brushes); Vacuuming and Scrubbing: 400mm
Dust Collection	8L Dust Bag, 0.7L for Separate Dustbin
Clean Water Tank	16L
Dirty Water Tank	14L
Battery Life	Sweeping Mode: up to 15h; Dust Mopping Mode: up to 10h; Vacuuming Mode: up to 6h Scrubbing Mode: up to 5h
Noise	70dB
Maximum Cleaning Speed	*0.8m/s(Will be optimized to 1.2m/s via further upgrades)
Maximum Moving Speed	*0.8m/s(Will be optimized to 1.2m/s via further upgrades)
Carpet Cleaning Ability	10mm
Gap Crossing Ability	35mm(Navigation);
Obstacle Climbing Ability	15mm(Navigation, Sweeping + Vacuuming); 5mm(Sweeping + Scrubbing, not suggested)
Minimum Passable Width	65cm
Minimum Passable Height	75cm
Slope Angle	≤ 8°(Navigation only, no cleaning task); ≤ 2°(Cleaning Task)

Measurements

Robot Dimension(W*D*H)	616*550*690mm
Robot Weight	70kg (With Battery, Water Tanks are empty, Robot Only)
Charging Pile Dimension(W*D*H)	534*225*407mm
Charging Pile Weight	About 20kg

Environment

Operating Temperature and Humidity	0 - 40°C, 20% - 80%RH
Operating environment	Indoor environment, carpet (regular low-pile carpet, ≤10mm) , hard floor
Storage Temperature and Humidity	-15°C - 45°C, 20% - 80%RH

Battery and Charging

Battery Type	LFP battery
Battery Capacity	DC 25.6V 50Ah
Charging Mode	Automatic charging with the charging pile(Additional purchase is required); Manual charging with the bundled recharger.
Charging Input	100-240V~, 50/60Hz
Charging Time	About 2h

Hardware

Machine Material	ABS and aluminum alloy
Positioning Method	Sensor Fusion(LiDAR and VSLAM Sensor)
Positioning Accuracy	Centimeter level
Sensing Techniques	LiDAR, Stereo Vision Sensors, Collision Sensor, IMU(Inertial Measurement Unit), VSLAM Sensor, Line Laser Sensor, Ultrasonic Sensor, RGB Camera
Sensor Coverage	LiDAR detection range: 240°(TBD), <=25M; Stereo Vision Sensor horizontal coverage: 170°
Network	Wi-Fi ; ESP01; 4G
Operation Screen	11.6 inch(1920 x 1080)
Interactive Ability	Light/Touch/Voice Prompts

System and Function

System	Linux(Control) & Android(Interact)
App Language	Chinese, English, Japanese, Korean, French, Thailand, German
App Functions	Immediate Cleaning/Scheduled Cleaning/Manual Cleaning/Teaching Mode

Efficient and Intelligent Cleaning Robot

C30



Key Features

- Hands-Free Cleaning: The C30 offers a hands-free cleaning experience with its sweeping, dust mopping, and vacuuming functions.
- Ultimate Edge Cleaning: Reaches every corner right up to the wall.
- Wide Cleaning Path: Dual side brushes create a 610 mm cleaning width, making large area cleaning faster.
- Extensive Coverage: Can clean up to 2500m² on a full charge.
- Powerful Suction: Boasts suction power up to 19000Pa with the Sweep-Gather-Vacuum mechanism.
- Intuitive Operation: Designed with an intuitive UI and handle for easy daily operation.
- Easy Maintenance: Quick-switch consumables for side brushes, Rolling Brushes, and dust bags; integrated tools for cleaning the roller brush and air duct.
- Adorable Design: Kitten-shaped design blends well with any environment, ideal for populated areas.
- Customizable Expression Screen: Can be used for cleaning task information and promotions.
- App & Web Management: Mobile app and web interface allow users to check robot status, cleaning tasks, reports, and receive alerts.

Specifications

Performance

Cleaning Mode	Vacuuming Mode (Vacuuming Function +Sweeping Function) Dust Mopping Mode
Cleaning Efficiency	Up to 600m ² /h
Cleaning Area	Up to 2500m ² /task (Under Full Charge)
Suction Power	Up to 19000Pa
Maximum Cleaning Width	610mm (Double Side Brushes + Rolling Brush)
Dust Collection	3.5L/bag
Battery Life	3–6h (Sweeping & Vacuuming Mode, actual result may vary) Up to 10h (Dust Mopping Mode, actual result may vary)
Noise	≤70dB
Maximum Moving Speed	0.8m/s
Braking Distance	50cm
Obstacle Climbing Ability	20mm
Carpet Cleaning Ability	10mm
Slope Angle	≤ 8°

Measurements

Robot Dimension(W*D*H)	490*610*750mm (With Dust Push)
	490*520*750mm (Without Dust Push)
	490*646*990mm (Raise Handle)
Robot Weight	35kg (With Battery)
	30kg (Without Battery)
Charging Pile Dimension(W*D*H)	220*130*330mm
Charging Pile Weight	2.4kg

Environment

Operating Temperature and Humidity	0 - 40°C, 20% - 80%RH
Operating environment	Indoor environment, carpet (regular low-pile carpet, ≤10mm) , hard floor
Storage Temperature and Humidity	-15°C - 45°C, 20% - 80%RH

Battery and Charging

Battery Type	LFP battery
Battery Capacity	DC 25.6V 28.5Ah
Charging Mode	Automatic charging with the bundled charging pile
Charging Input	100-240V~, 50/60Hz
Charging Time	5-6h

Hardware

Machine Material	ABS and aluminum alloy
Positioning Method	Laser Positioning
Positioning Accuracy	Centimeter level
Sensing Techniques	LiDAR, Stereo Vision Sensors, Collision Sensor, IMU(Inertial Measurement Unit)
Sensor Coverage	LiDAR detection range: 240°. ≤25M; Stereo Vision Sensor horizontal coverage: 120°, 0.1-1.5m
Network	Wi-Fi: 2.400-2.4835GHz, max 13.90dBm; ESP01: 2.400-2.4835GHz, max 13.90dBm
Operation Screen	7 inch(1024 x 600)
Interactive Ability	Light/Touch/Customizable Contents on the Expression Screen

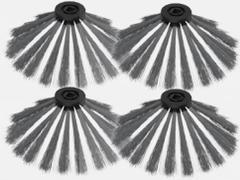
System and Function

System	Linux(Control) & Android(Interact)
App Language	Chinese, English, Japanese, Korean, French
App Functions	Immediate Cleaning/Scheduled Cleaning/Manual Cleaning/Teaching Mode

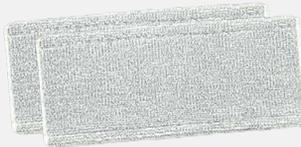
Official Standard and Optional Part

Package Contents	Robot*1, Charging Pile*1, Product Manual*1, Side Brush*4, Mopping Cloth*2, Rolling Brush*2, Roller Brush Scraper*3, Dust Bag*20, HEPA Filter*1
Consumables (Available for purchase)	Side Brush, Mopping Cloth, Rolling Brush, Roller Brush Scraper, Dust Bag, HEPA Filter
Robot Color Optional	Pearl White

Package Content



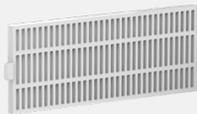
Side Brush*4



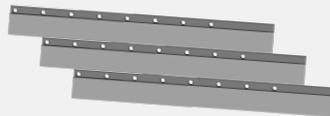
Mopping Cloth*2



Roller Brush*2



HEPA Filter*1



Roller Brush Scraper*3



Dust Bag*20



Charging Pile*1



Product Manual*1

Main Unit and Dimension

