

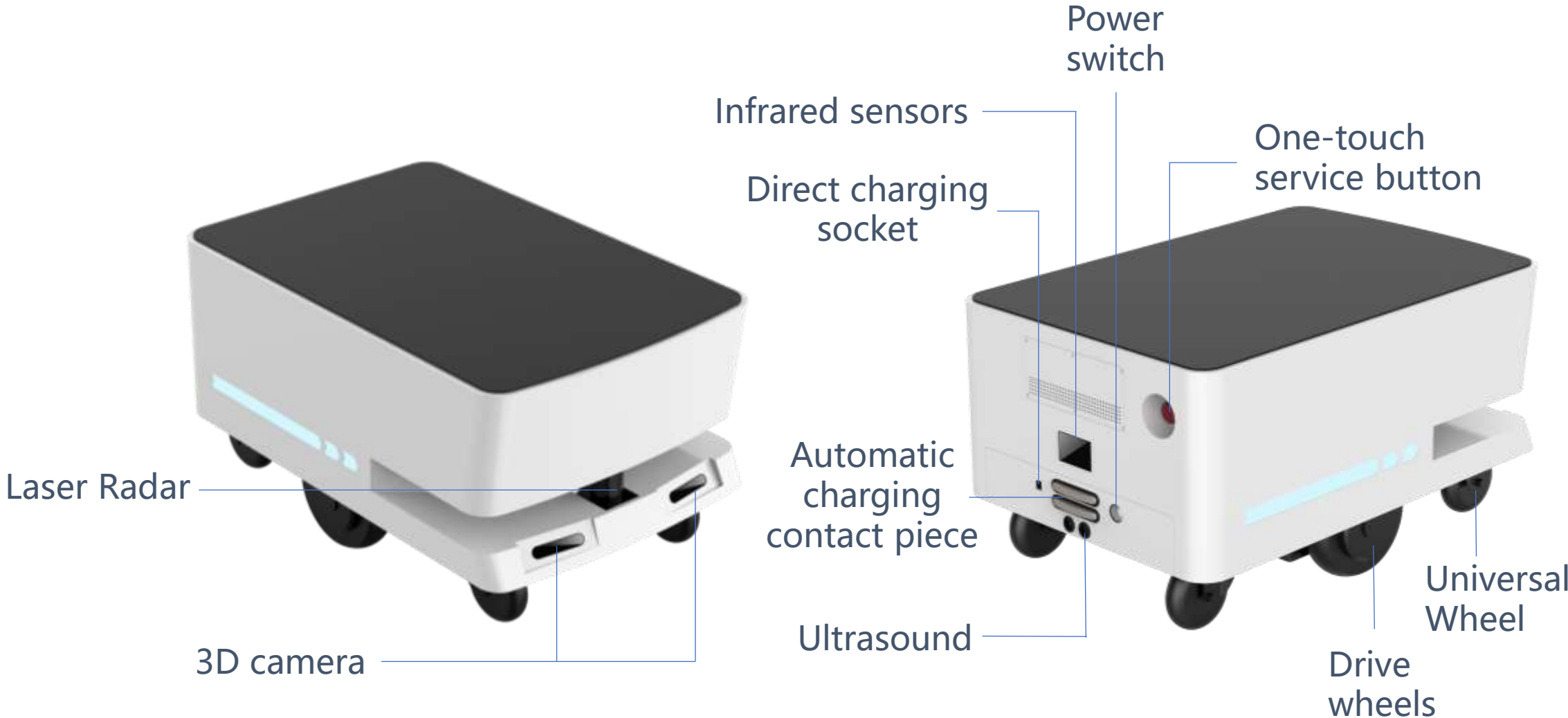


ATEAGO S4P

Intelligent Logistics Robot

Overview of product mix

— Let robots help humans everywhere





ATEAGO S4P

— Intelligent Logistics Robot

As an intelligent logistics robot, ATEAGO S4P adopts dual 3D cameras to perceive the surrounding environment in all directions, with a large load capacity of 100KG, equipped with ATEAGO self-researched SLAM 2.0 autonomous positioning and navigation system, which requires no code posting and highly accurate navigation and positioning, central dispatching system, multi-machine collaboration and orderly operation, open SDK platform, providing rich API interface, supporting secondary development or customization services. Meet different robot development needs.

Product Advantages

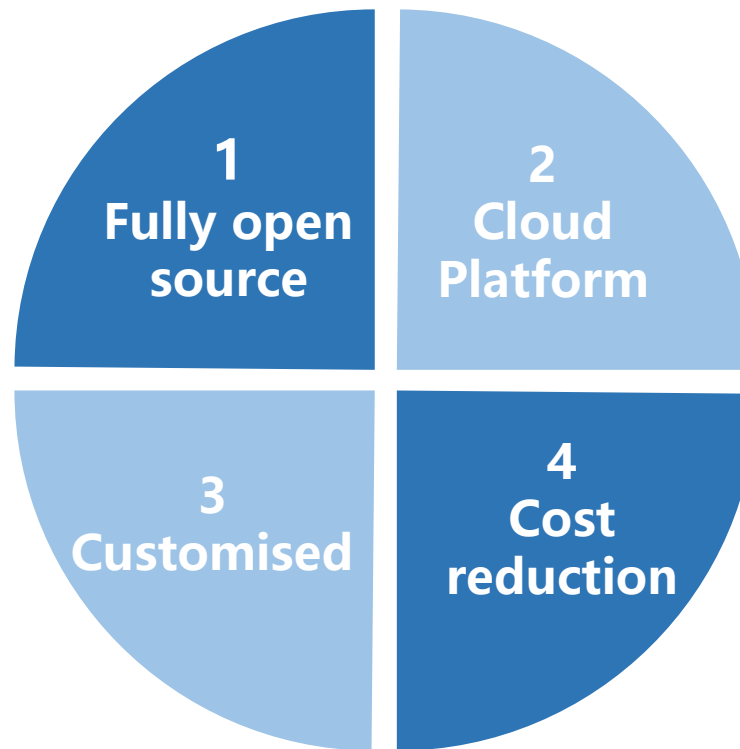
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Open SDK platform

Completely open hardware and software platform, providing API interface, rich technical support documentation, assisting product development throughout.

Customised development

Extremely scalable, allowing users to customise the upper layer of the application architecture according to their actual needs



Cloud Service Platform

Support remote navigation to build a map for deployment, real-time display of the robot chassis operating status, saving time and easy to operate

Reduced development costs

The chassis has a mature and stable navigation solution, helping companies to shorten product development cycles and reduce R&D investment costs

Functional features

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01 Super capacity

The chassis is made of sheet metal construction, with a large capacity of 100 kg, stable and undeformed

02 Intelligent obstacle avoidance

270° autonomous obstacle avoidance, flexible steering, stable and safe operation

03 Remote navigation deployment

Support for remote navigation to build maps, easy and fast robot installation and deployment

04 Lithium iron phosphate batteries

Built-in 38.4V/25Ah lithium iron phosphate battery, safe and environmentally friendly, non-combustible and non-explosive

05 Autonomous dispatch system

Multi-machine collaboration allows for dynamic adjustment of robot avoidance according to task priority, enabling efficient and stable delivery

06 Automatic recharging

Automatic return to charging when the power level falls below the minimum, no manual operation required

100KG large load capacity

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Super load capacity, suitable for various places

Equipped with integrated wheel motor, with super dual drive, its chassis adopts flatbed truck structure, large platform space, strong load-bearing capacity, can be a maximum load of 100KG, to meet the needs of industry scenarios.



Open SDK platform

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Extensive interfaces and scalability

The SDK is open to all users, providing a rich API interface with great scalability, and for customers with certain development capabilities, customised development can be achieved according to the needs of scenario applications, meeting the diverse needs of the market for mobile robot chassis.



Active obstacle avoidance

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Equipped with ATEAGO self-developed SLAM synchronous positioning map building system, high-precision navigation and positioning, Laser radar, dual 3D cameras, all-round perception of the surrounding environment, efficient and stable operation.

Single line Laser

Detection distance 25m, laser wavelength 905 nm Working area 270°

Dual 3D cameras

Vertical angle: 63° Horizontal angle 79°



No need to paste code

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Deployment without posting code

- Robotic navigation deployment without the need to affix codes for auxiliary positioning.
- no need to affix codes to the ceiling and no aesthetic impact on the decoration.
- Customised planning of delivery routes for easier operation.

Highly accurate navigation and positioning

- Proven and stable navigation algorithms for precise positioning
- Multi-sensor fusion technology with LIDAR + dual 3D cameras for real-time sensing of the surroundings



Autonomous dispatch system

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Multi-machine collaboration and orderly operation Avoid blocking the "machine"

The built-in scheduling system, with multi-machine collaboration, can dynamically adjust robot avoidance according to task priority to achieve efficient and safe, stable and reliable delivery efficiency.



Autonomous lift rides

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Supports most lifts on the market, builds maps for multiple floors, takes the lift independently, controls access control and automatically switches maps to complete cross-floor delivery tasks.
(Optional function)

Lithium Iron Phosphate

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High temperature resistant, non-combustible and safe enough



Long battery life, discharge cycles Up to 2000 cycles



Fast charging support for faster charging



Green, energy efficient and environmentally friendly

Battery capacity 38.4V/25Ah, high temperature resistant, non-explosive, non-combustible, safe and secure, long battery life, up to 2000 discharge cycles



Heat-resistant Non-burning No explosion



Automatic recharging

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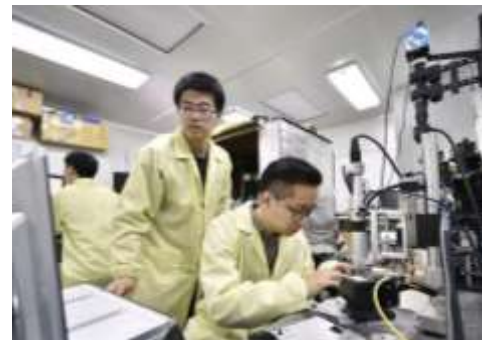
Custom set minimum power value, when the robot's power falls below the minimum value, it automatically returns to charging without manual operation.



Wide range of applications

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Products are widely used in robot enterprises, scientific research institutions, colleges and universities, robot training institutions, logistics and warehousing, factory workshops, high-speed railway stations, hospitals



Product parameters

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Operating systems	Android 5.1 operating system and above
Whole machine size	704mm (L)*470mm (W)*397 mm (H)
Net weight	About 55KG
Screen	7 inches (resolution 1024*600)
Travel speed	0.1~1.0m/s
Maximum load capacity	100KG
Charging time	6 hours (with automatic recharge)
Navigation accuracy	±10cm
Battery parameters	Lithium iron phosphate 38.4V/25Ah
Battery life	Full load 8 hours, no load 25 hours
Charging method	Automatic re-charging, direct charging
Motor Drive	5.5 inch wheel motor
Adapter	Input: AC110-240V 50-60HZ Output: 43.2V-5A
Charging Pile Parameters	Overcurrent protection, intelligent power failure, output rated voltage: 43.2V DC Output rated current: 5A





Thanks for watching

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