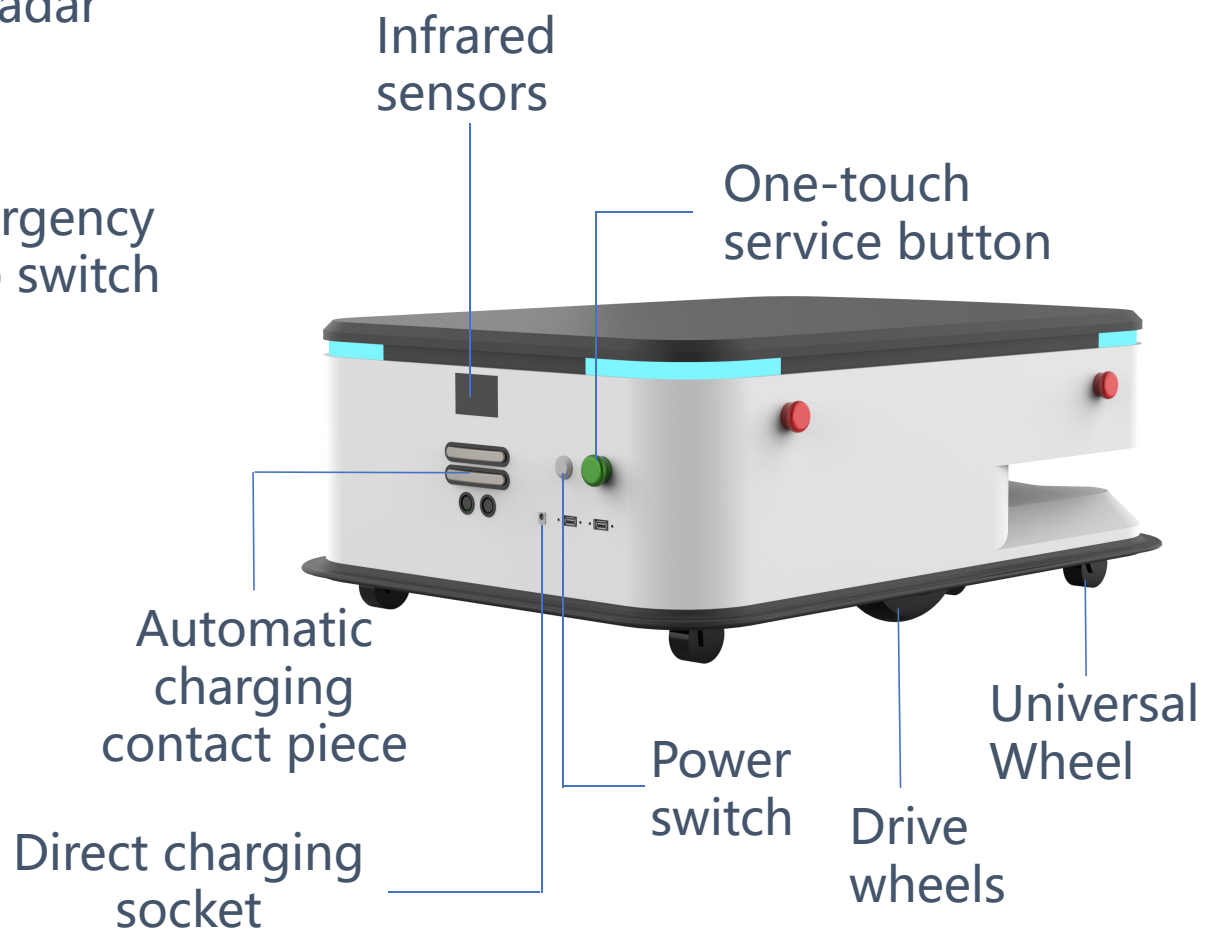
ATEAGO S6P Mobile Delivery Robot

Overview of product mix



Product Description

ATEAGO S6P Mobile Delivery Robot

ATEAGO S6P Mobile Delivery Robot is a one-way backpack handling robot, 300KG large load capacity, equipped with ATEAGO self-research SLAM 2.0 autonomous positioning and navigation system, high precision navigation and positioning, open SDK platform, provide rich API interface, support secondary development or customization services to meet different robot development needs.

Pain points faced by robotics companies

1. High R&D investment costs
2. Fast product iteration
3. Long payback period

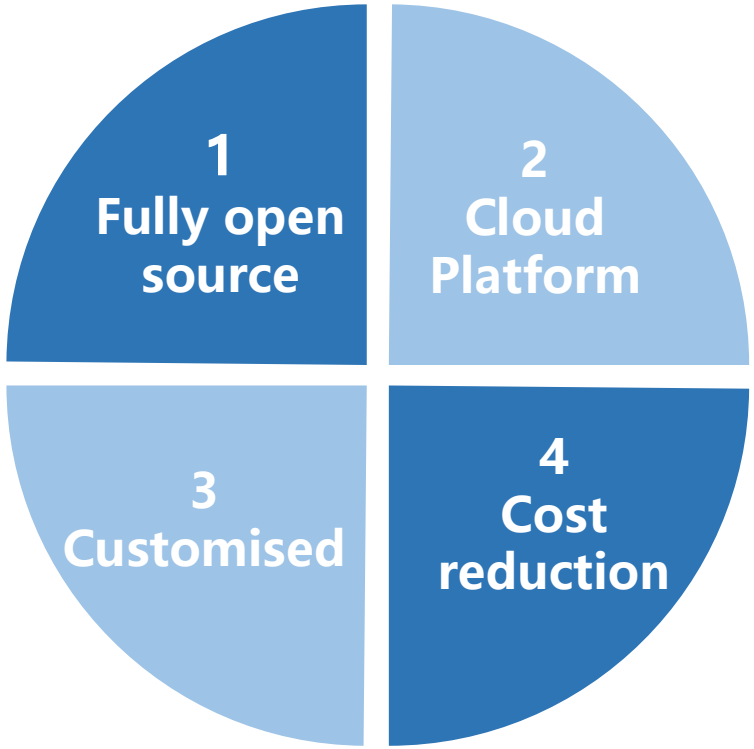
Product Advantages

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



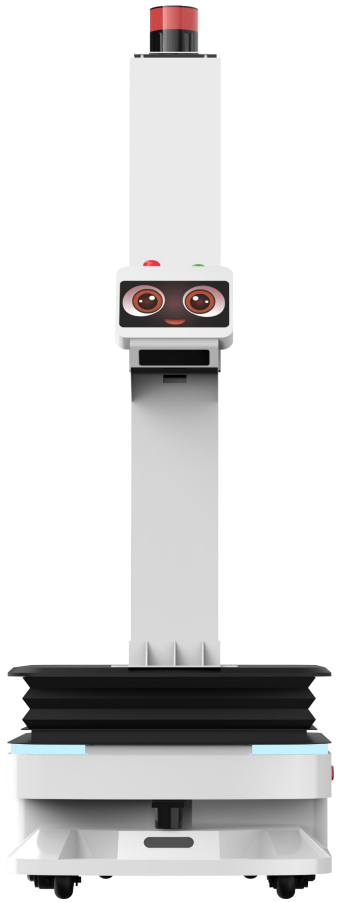
Cloud Service Platform

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



01 Super capacity

The chassis is made of sheet metal construction, with a large capacity of 300 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 Independent suspension structure

Smoother robot movements, smooth steering and less wobbling

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

300KG large load capacity

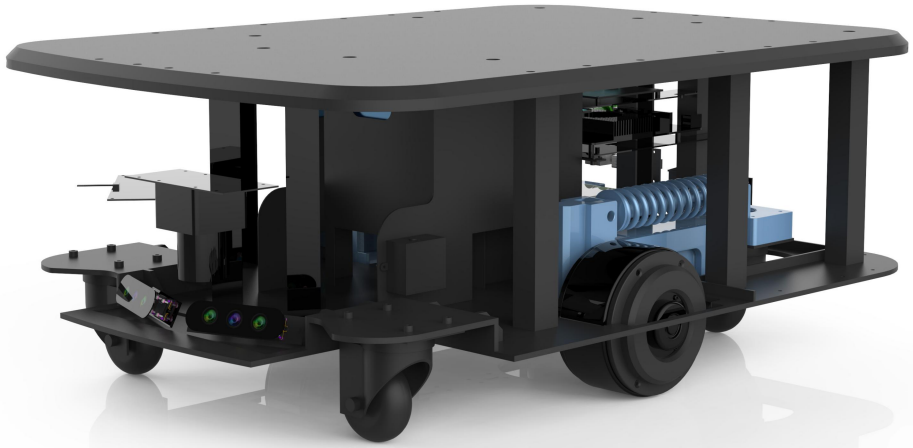
Super load capacity, suitable for various places

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 300KG, to meet the needs of industry scenarios.

Open SDK platform

Extensive interfaces and scalability

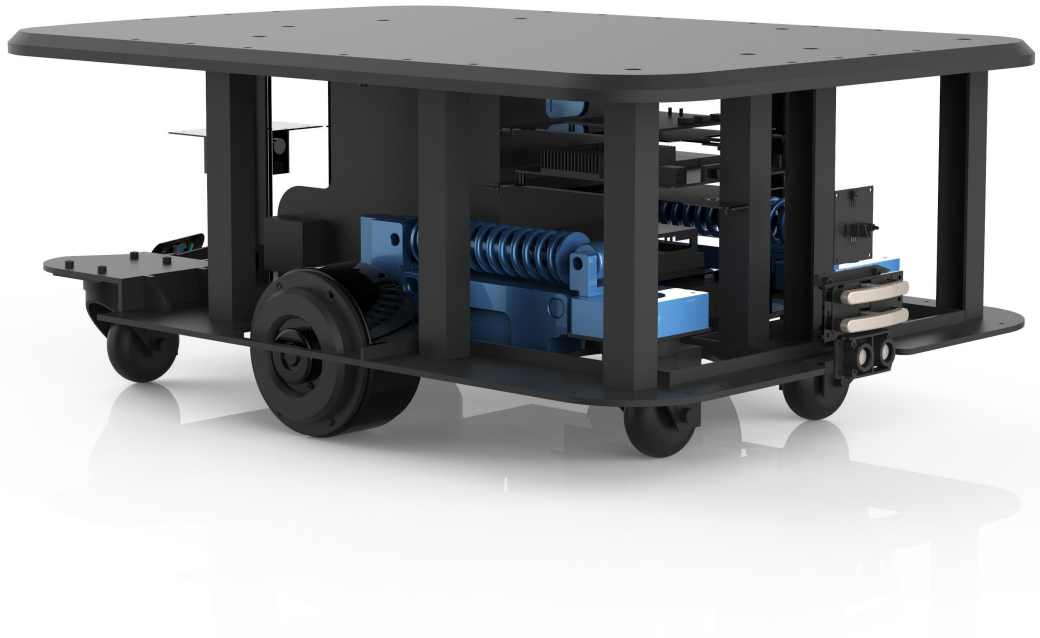
The SDK is open to all users, providing a rich API interface with great scalability, and for customers with certain development capabilities, customised development can be achieved according to the needs of scenario applications, meeting the diverse needs of the market for mobile robot chassis.

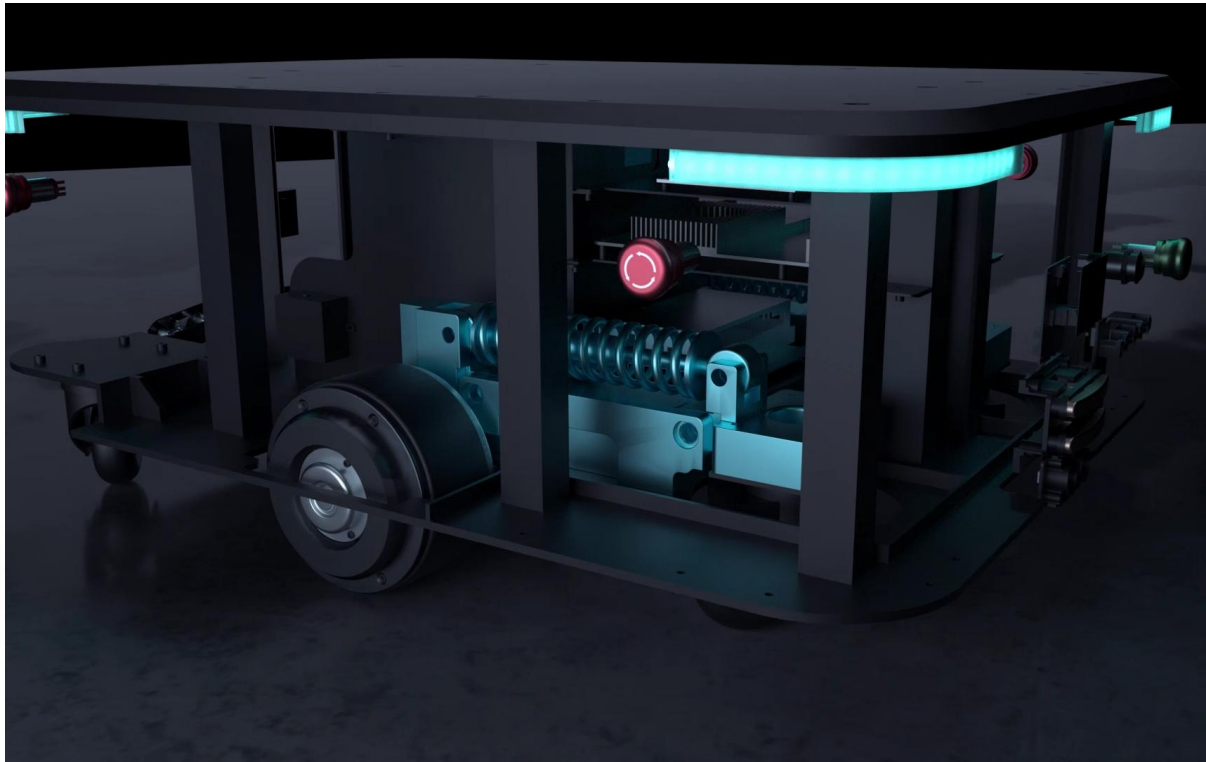


Independent suspension structure

Both side drive wheels with shock absorbing suspension system

During the movement of the robot, the posture is smoother, the steering action is small, and there is no tipping, effectively reducing problems such as slipping of items during delivery.





Autonomous obstacle avoidance

Equipped with ATEAGO advanced self-developed SLAM synchronous positioning map building system, high-precision navigation and positioning, Laser radar, 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°

3D cameras

Vertical angle: 63° Horizontal angle 79°

No need to paste code, accurate positioning

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 + 3D cameras for real-time sensing of the surroundings

Autonomous dispatch system

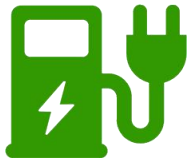
Multi-machine collaboration and orderly operation Avoid blocking the "machine"

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.

Lithium iron phosphate batteries

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

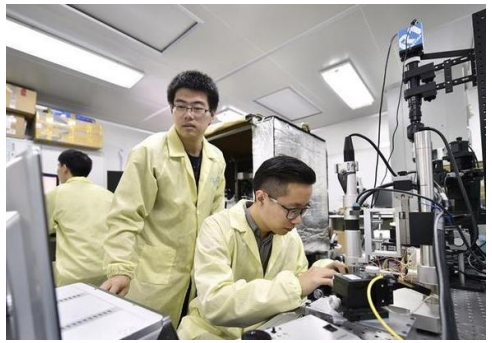
No explosion

Automatic recharging

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

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

Operating systems	Android 5.1 operating system and above
Whole machine size	791.6mm (L)*560mm (W)*1682 mm (H)
Net weight	65KG
Screen	7 inches (resolution 1024*600)
Travel speed	0.1~1.0m/s
Maximum load capacity	300KG
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 20 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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