



FlashBot

Building Delivery Robot



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FlashBot

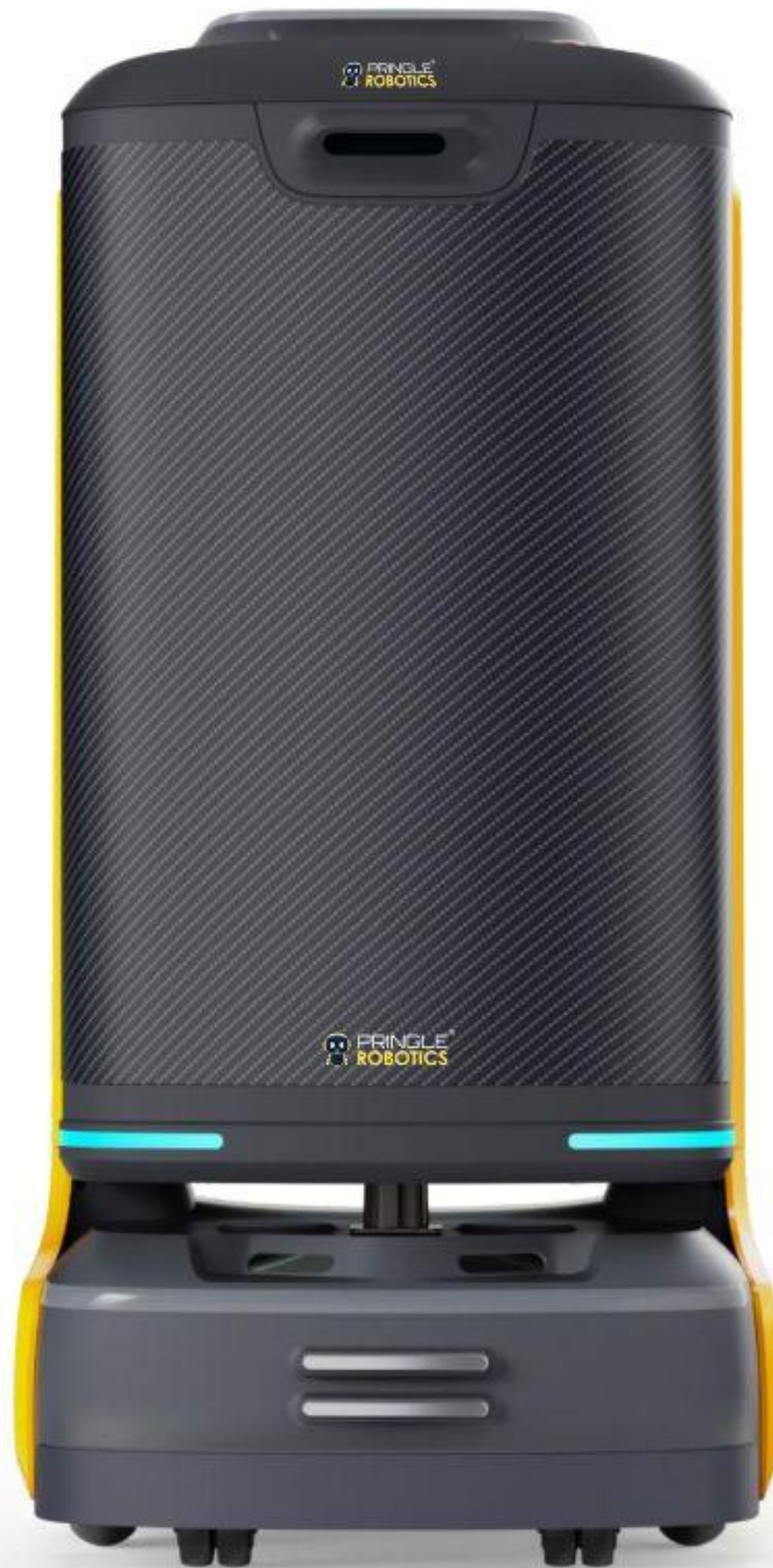
Building Delivery Robot

FlashBot is a secured building delivery robot that takes the elevator to provide safe and reliable room delivery. Powered by cutting-edge technologies, FlashBot takes intelligent delivery to the next level, enabling digital management and services of hotels and office buildings.





Product Overview · FlashBot



Machine dimention	21*20*41 In
Machine weight	110lbs
Payload	33 lbs/layer, Max66lbs
Machine material	ABS/Aviation-grade aluminum alloy
Compartment space	2-4 compartments (Adjustable)
	8.6* 16*11In (Single)
	17* 16*11In (Double)
Charging time	4.5H
Battery life	10H
Charging mode	Auto-charging
Cruise speed	1~3 mph (Adjustable)



Product Overview · FlashBot





Product Overview · FlashBot



Auto Building Delivery Service

Automatic, contactless delivery of customer-ordered items and takeaways across floors offers greater peace of mind.



Greeting and Escorting

Check-in guidance is provided based on optimal path planning and voice announcements.



Product Overview · FlashBot



Auto Elevator Taking

Powered by IoT technology, FlashBot calls and takes the elevator automatically for delivery across floors.



Auto Charging

FlashBot charges itself automatically when its battery is running out to serve you in the best way 24*7.



Product Overview · FlashBot



AI Voice Interaction

Smart robot control is possible with a variety of voice commands. Operation is now easier than ever.



Arrival Notification

FlashBot provides arrival notifications by phone calls and sends a pickup code for customers to pick up the deliveries.



One Tap Call

FlashBot is at your service with a single tap.



Product Overview · Operation Process

Staff



Taking order



Calling robot



Placing items

Robot



Sending arrival notification



Auto elevator taking



Auto delivery

Customer



Receiving code



Picking up



Returning

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Product Advantages: Building Delivery Expert

FlashBot · Building Delivery Expert

- A smart robot that can take the elevator safely with other passengers
- IoT technology



- Safe and efficient
- Advanced digital management



Product Advantages: Ultra-Sensitive E-Skin

What makes FlashBot a building delivery expert?

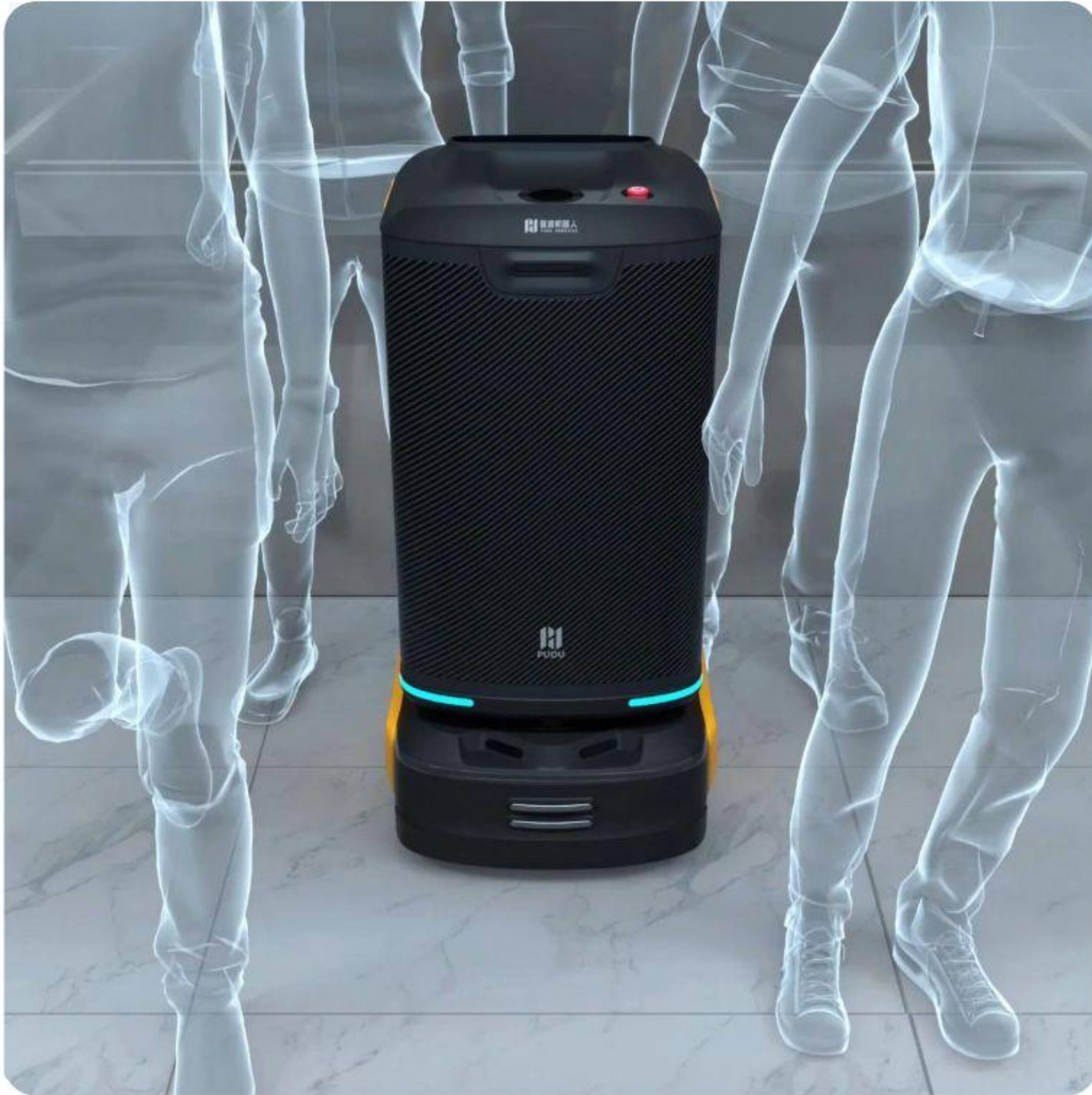


Ultra-Sensitive E-Skin

- 89 exclusive patented technologies
- Allows FlashBot to sensitively detect the surroundings and take the elevator safely and orderly with other passengers.



Product Advantages: Ultra-Sensitive E-Skin



Reliable, Friendly and Nimble

Easily take the elevator with other passengers

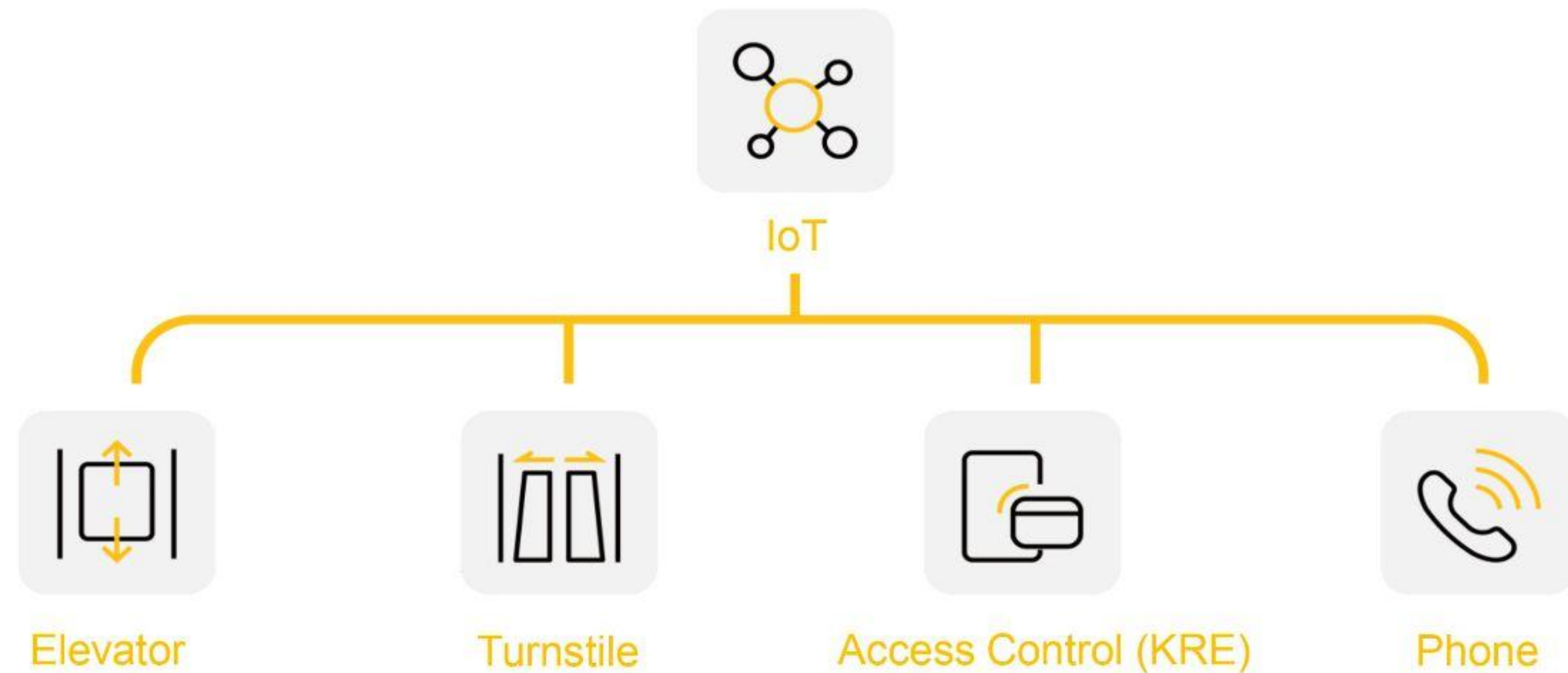
With the cutting-edge skin sensor, FlashBot can detect the surroundings when using the elevator, make judgments intelligently, and take the elevator safely and orderly with other passengers during busy times.

- ✓ Sensitive perception
- ✓ Intelligent judgment
- ✓ Flexibility enter the elevator
- ✓ Harmonious coexistence with people in the elevator



Product Advantages: IoT Technology

What makes FlashBot a building delivery expert?



The IoT technology allows operating instructions to be transmitted between FlashBot and other devices in the building via a cloud-based network connection. This enables FlashBot to control the turnstiles and access control systems and take elevators automatically for delivery across floors.



Product Advantages: IoT Technology

What makes FlashBot a building delivery expert?



FlashBot taking an elevator



FlashBot passing the turnstile



FlashBot sending an arrival notification

Thanks to the IoT technology, FlashBot can send operating instructions to other devices in the building via a cloud-based network connection. This means FlashBot can call and take the elevator automatically without manual intervention, and remind customers of the pickup by sending a message with the pickup code or by calling the customer. With autonomous positioning and navigation, cross-floor delivery is now easier than ever.



Product Advantages: IoT Technology

Upgraded Auto-Level Suspension



The newly upgraded auto-level **6-wheel** independent linkage suspension can adjust the damping based on different floor conditions, so that the robot can always remain in the optimal stable state.

Surmount obstacles of **2 cm** high and gaps of **3.5 cm** wide, offering **50%** higher operating stability.

3D Obstacle Avoidance



3 RGBD cameras & customized lidar empower FlashBot with sensitive perception to detect obstacles as low as **3 cm** and suspended obstacles at a height of **70 cm** from the floor, making it ideal for dynamic environments with many obstacles.

70 CM Superior Passability



With a minimum clearance of **70 cm**, FlashBot can navigate through the passages in **99.9%** of building scenarios.



Product Advantages: Safe and Efficient



Modular Adjustable Compartment

The multi-functional compartment maximizes space utilization, enabling FlashBot to perform multiple tasks with a single tap.



UV Sterile Compartment

The compartment features a UV germicidal lamp that offers a sterilization rate of up to 99.9%, delivering greater peace of mind.



Product Overview: Safe and Efficient



Laser Positioning and Navigation Tech.

FlashBot adopts Laser SLAM which supports unlimited heights and does not require location code stickers. It supports multiple starting points and simple to deploy.



Multiple Robot Cooperation

Powerful ad hoc network allows FlashBot to adapt flexibly to dynamic environments and schedule more than 20 robots to work together.

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Pringle Robotics

Leading the Way in Human-Robot Partnerships

Headquartered in Peoria, Illinois, Pringle Robotics is a developer of integrated robotic solutions for people-focused industries. We create service robots that help people work smarter, faster and with less stress so that they, in turn, can better deliver the high-value customer care that matters most.

All of our robots are designed from the ground up for autonomous operation, and natively built with the latest AMR operating system—never retrofitted. Our line of BoTs ranges from hosting, serving, dish bussing and delivery for the hospitality industry to cleaning, disinfection and secured delivery for complex, large scale facilities like hospitals and schools.

Our Mission

Pringle Robotics is a company on a mission to elevate people-focused industries for the benefit of all through practical automation.

Our Vision

Creating Autonomous Solutions that empower people and communities to be Productive and Safe. We believe in continuous innovation and integration with other platforms to build the most useful and flexible robots in the industry.

How Do Our BoTs Help Facilities?

Quite simply, by letting people do what they do best. In shifting time consuming and repetitive tasks to robots, human workers can focus on the higher-value work. This practical automation improves operational efficiency, lowers costs related to hiring and retention, and boosts satisfaction all around.

What Sets Pringle Robotics Apart?

We're just as committed to our customers as you are to yours.

While some technology providers focus on sales, we're focused on solutions. We approach each customer engagement as innovation-obsessed collaborators, committed to not only providing the widest and most versatile range of service robots on the market—but also backing them up with the industry's most comprehensive customer support. In-depth on-site training, unlimited virtual technical support and round-the-clock remote robot monitoring are standard components of our customer care philosophy.



Pringlerobotics



PringleRobotics1

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