GAUSIUM

X1

Delivery X1 / X1 Pro
Where Technology Meets Affordability

SHORT-TERM ROI

Bring productivity up and costs down

With a load capacity up to 30kg, Delivery X1 can serve several tables at one go. It has a long uptime backed by large-capacity LFP batteries, and calculates the most efficient path to save energy consumption. These, plus X1's affordable price, promise a quick ROI and help you cut down operating costs in a short time.

• Up to 30kg load capacity
• 14-20 hour uptime
• Keenly priced

DELIVERY MADE EFFORTLESS

Simplify your service process

Delivery X1 features hassle-free deployment process. It does not require scanning location markers for assistance of positioning. The trays of Delivery X1 Pro are equipped with weight sensors and LED indicator lights that perceive and signal the load status. When the load is emptied by the customer, the robot will automatically leave for next tasks. With an optional AI camera for human detection, X1 Pro will proactively interact with people to help attract more traffic to your business.

• Marker-less deployment
• Smart load perception and indication
• Remote-control mobile app
• Human detection and interaction (optional)

OBSTACLE AVOIDANCE & SHOCK MITIGATION

Collision-free and spill-proof

The navigation algorithms of Delivery X1 are based on a fusion of LiDAR and 3D depth cameras, which provide high-level environmental perception and smart obstacle avoidance. The automotive-level independent suspension chassis creates superb shock mitigation effect for a smooth and stable delivery experience of drinks or liquid dishes.

• Smart obstacle avoidance
• Independent Suspension Chassis

Key Features:

Marker-less Deployment

Easy set-up without scanning QR location code, saving 75% deployment time while protecting interior design of the site

Smart Trays (X1 Pro)

Equipped with weight sensors and LED indicator lights, signaling the load status and automatically leaving after the load is emptied

Industry-leading Shock Mitigation

Adopting automotive-level independent suspension chassis to ensure the best shock mitigation effect for a stable, spill-proof delivery process

Navigating Narrow Aisles

Effortlessly passing through aisles as narrow as 65cm supported by high-precision sensors

High Performance Battery

Adopting lithium phosphate battery— higher thermal stability and 6X longer endurance than common ternary lithium batteries
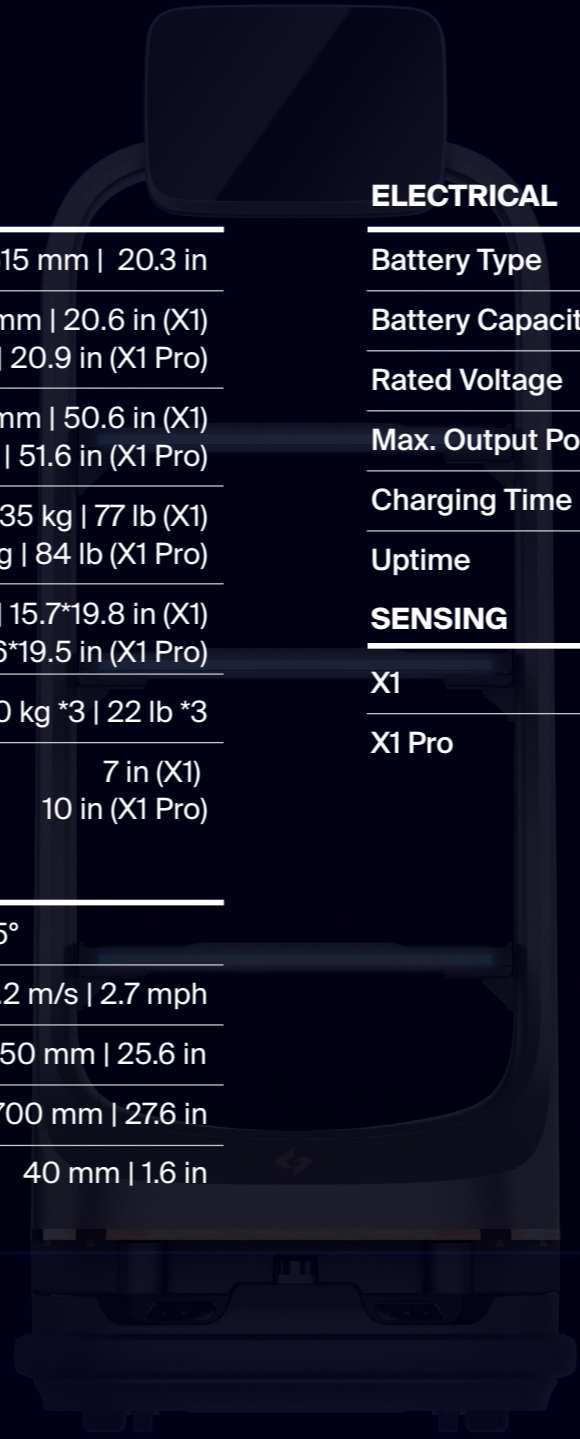
Multi-robot Collaboration

Able to realize intercommunication between robots to work collaboratively in large sites

Superb performance in a broad range of applications:

Restaurants | Cafes | Hotels | Hospitals | Office buildings | etc.

GAUSIUM

SPECIFICATION

DIMENSION

Length	515 mm | 20.3 in
Width	523 mm | 20.6 in (X1) 531 mm | 20.9 in (X1 Pro)
Height	1,286 mm | 50.6 in (X1) 1,310 mm | 51.6 in (X1 Pro)
Unladen Weight	35 kg | 77 lb (X1) 38 kg | 84 lb (X1 Pro)
Tray Size	400*502 mm | 15.7*19.8 in (X1) 397*495 mm | 15.6*19.5 in (X1 Pro)
Load Capacity	10 kg *3 | 22 lb *3
Screen Size	7 in (X1) 10 in (X1 Pro)

MOVEMENT

Gradeability	5°
Max. Moving Speed	1.2 m/s | 2.7 mph
Min. Passable Width	650 mm | 25.6 in
Min. Turn-around Width	700 mm | 27.6 in
Braking Distance	40 mm | 1.6 in

ELECTRICAL

Battery Type	Lithium Iron Phosphate
Battery Capacity	20 Ah
Rated Voltage	29.4 VDC
Max. Output Power	230 W | 0.3 hp
Charging Time	4.5 hours
Uptime	14 - 20 hours

SENSING

X1	LiDAR, 3D Camera
X1 Pro	LiDAR, 3D Camera, Pressure Sensor LED Indicator Light

Note：Derived from Gausium's test results; actual performance data may vary in specific applications.