

Ascend

Technical Specifications

Seamless elevator-enabled delivery.
All day, every day.



Ascend enhances operational efficiency and productivity by automating deliveries using secure, safe, and reliable technology.



Specifications	
Size	3.4'H * 1.7'L * 1.6'W
Weight	120 lbs
Sensors	LiDAR, RGB, Depth camera, IMU
Battery Life	10-24 hrs
Charging Time	4 hrs
Maximum Payload	88 lbs
Maximum Speed	3.9 ft/s
Box Configuration	4 boxes (can be adjusted into 2, 3, or 4 boxes)
Total Carrying Size	20 Gal (9.8"H * 16.7"L * 14.1"W)
Single Box Size	9.8"H * 16.7"L * 7"W
Water-proof & Dust-proof	Whole body IP43, Battery IP66
Display	10.1"
Operating System	Android 12 + Linux
Connectivity	Wifi or 4G
Narrowest Passage Width	27.5"
Maximum Incline	8°
Maximum Floor Gap Width	1.5"
Maximum Floor Ridge Traverse	0.7"
ADAM Ramp Compliant	Yes
Advanced Data Analytics	Yes
Emergency Stop	Yes