

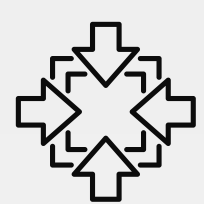
UNIT LOAD CARRIER

AMR 50 kg - 1.3T

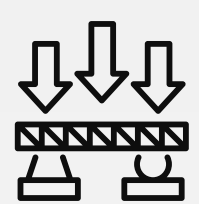
Move. Manage. Maximize. 

Built for reliable unit load handling, driving efficiency across warehouses and production lines with intelligent navigation and flexible, infrastructure-free deployment.

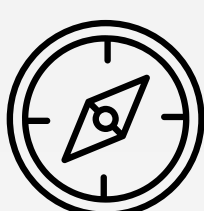
KEY FEATURES



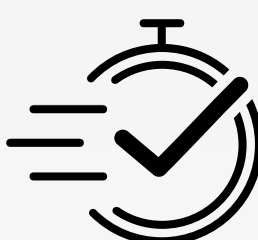
Compact Design
Built for indoor use in warehouse & factories



Payload
Supports **50 – 1300 kg**



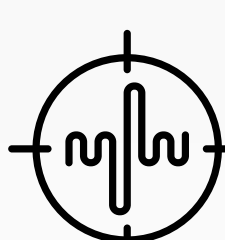
Hachidori's patented Wireless Natural Navigation (WNN)



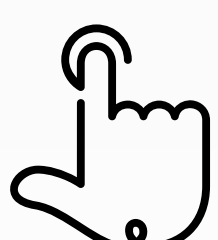
Max Speed
1.0 to 2 m/s*



Swappable Battery
LiFePO₄



Obstacle Detection
2D LiDAR + 3D Depth Camera



User Interface
Touchscreen workflow triggers



Smart Applications of **Unit Load Carrier**

For simple transfer of material with manual loading & unloading

Long range, repetitive material movement

Transfer boxes, grates, bags

UNIT LOAD CARRIER **AMR**

SPECIFICATIONS

Category	HU200	HU500	HU1300
Navigation	Hachidori's patented Wireless Natural Navigation (WNN) technology along with Sensor Fusion		
Max. Payload			
Load (kg)	200	500	1300
Dimension			
Length x Width x Height (mm)	800x550x1587	1090x726x1670	1500x950x1680
Ground Clearance (mm)	23	12	23
Base Weight (kg)*	120	210	340
Load surface (L x W x H) (mm)	725x485x980	820x600x980	1196x650x1000
Speed & Performance			
Max. Speed ^{##}	2 m/s	1.5 m/s	1.5 m/s
Min. Operational Corridor Width in straight path(mm) ^{**}	1000	1200	1500
Running Time (Hrs) ^{***}	8	> 8	8
Battery			
Battery type	LiFePO4	LiFePO4	LiFePO4
Battery Capacity	48 V, 12 Ah	48 V, 27 Ah	48 V, 27 Ah
Battery charging option	Swappable	Swappable	Swappable
Time to full charge (Hrs)	2	1.35	1.35
Total charge cycles	2000	2000	2000
Safety Sensors	2D LiDAR + 3D depth camera with sensor fusion, supporting Cat0 emergency stop and Cat1 controlled stop responses		
Indicators	Flashers, Buzzers, Sirens	Flashers, Buzzers, Sirens	Flashers, Buzzers, Sirens
Controls	Ergonomically placed Touchscreen Display, Start/Stop & Emergency buttons		
Workflow triggers	Touchscreen - Manual control ; Calling Device - Remote control; Centralized - WMS API calls		
Additional Features	In-place rotation, Bidirectional navigation	In-place rotation, Bidirectional navigation	In-place rotation, Bidirectional navigation

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*In-place rotation clearance is guided by the diagonal length of AMR + safe clearance distance
 ** Actual running time will vary depending on factors such as load capacity, operating duration, idle periods, and usage conditions.
 ***AMR speed is configured for each path based on various factors including floor condition, gangway width, obstruction density etc



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