Product Portfolio Provider for Integrators with AMR Controllers, Mobile Robots and Digital Software.

SRC INSIDE

Laser SLAM Rotatory Jacking Transfer Robot

AMB-800K

Carrying Can be Much Easier

Thinner Body for more Shelf-carrying Scenarios

It is only 245mm tall for more shelf-carrying scenarios.

Application Scenario

360 ° Rotation, Flexible for Pick-up, Drop-off and Carrying

The steering of the robot body and the jacked goods can be controlled to easily handle narrow space, areas with dense shelves and so on.

More Accurate Localization with Hybrid Navigation

Navigation accuracy can reach ±5mm. Support multiple navigation method, such as SLAM, QR code and reflector navigation, to meet various requirements in different scenarios.

800kg Load Capactiy for Easy Carrrying

Load capacity of 800kg for carrying loads in a variety of scenarios, including e-commerce picking, material transfer, call delivery, and other productions.

2.2m/s Running Speed, Faster and More Efficient

Full load with a maximum running speed of 1.8m/s and no-load with a maximum running speed of 2.2m/s. Quick pick-up/drop-off of goods in 2.5±0.5s.

Scan to Follow

Parameter Specification

● Standard ○ Optional - None

Basic parameters	AMB-800K
Navigation method	Jaser SLAM
Drive mode	Two-wheel differential
Shell color	Black & Gray
L*W*H	980mm*680mm*245mm
Rotation diameter	980mm
Weight (with battery)	150kg
Load capacity	800kg
Chassis ground clearance	20mm
Jacking platform dimensions	ϕ640mm
Maximum jacking height	60±2mm
Laser scanning height	150.5mm(SICK)/156.1mm(LR-1BS5H)
Network	Ethernet / Wi-Fi 802.11 a/b/g/n/ac

Functions	AMB-800K
Basic functions	●
Wi-Fi roaming	●
Automatic charging	●
Shelf recognition	●
Spin[6]	●
Precise location with QR code	○
QR code navigation	○
Laser reflector navigation	○

Certifications	
UN38.3	●

Performance parameters

Passability (slope/step/gap)	≤5%/5mm/30mm
Minimum passable width	820mm
Navigation position accuracy	±5mm
Navigation angle accuracy	±0.5°
Navigation speed	≤1.8m/s
Map area	≤40000m²

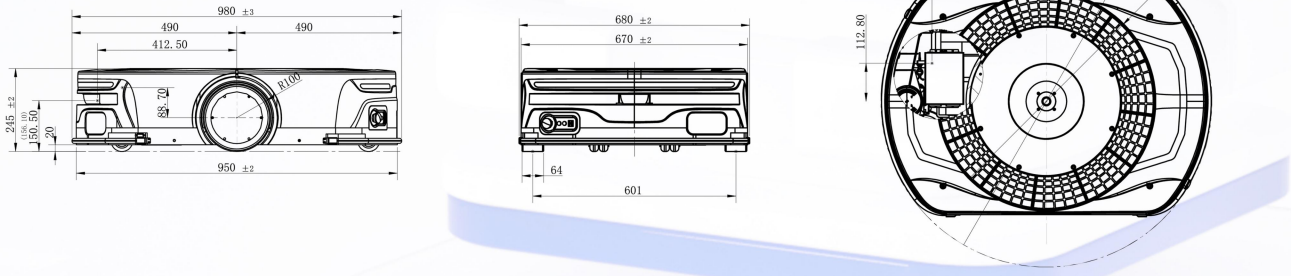
Battery parameters

Battery specifications	48/27 (Lithium Iron Phosphate)
Comprehensive battery life	8h
Charging time (10-80%)	≤2h
Charging method	Manual/Automatic
Battery cycle number	≥1500

Configurations

Lidar number	1（SICK nanoScan3 Core) or 1 (LR-1BS5H)
Number of low-position obstacle avoidance photoelectric	0
Cargo detection	-
E-stop button	●
Speaker	●
Atmosphere light	●
Bumper strip	●

Dimension（mm）



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