

## AMB Series Parameter

- Standard
- Optional
- None



Product model		AMB-150 / AMB-150-D	AMB-300 / AMB-300-D	AMB-300XS
Basic parameters	Navigation method	Laser SLAM	Laser SLAM	Laser SLAM
	Drive mode	Two-wheel differential	Two-wheel differential	Two-wheel differential
	Shell color	Pearl white / Pearl black	Pearl white / Pearl black	RAL9003
	L*W*H (mm)	800*560*200	1000*700*200	842*582*300
	Rotation diameter (mm)	840	1040	972.6
	Weight (with battery) (kg)	66	144	120
	Load capacity (kg)	150	300	300
Performance parameters	Minimum passable width (mm)	700	840	722
	Navigation position accuracy (mm*)	±5	±5	±5
	Navigation angle accuracy (°)	±0.5	±0.5	±0.5
	Navigation speed (m/s)	≤1.4	≤1.4	≤1.5
Battery parameters	Battery specifications (V/Ah)	48/35 (Ternary lithium)	48/52 (Ternary lithium)	48/40 (Ternary lithium)
	Comprehensive battery life (h)	12	12	12
	Charging time(10-80%) (10-80%) (h)	≤2	≤2.5	≤ 2.5
	Charging method	Manual/Automatic/Switch	Manual/Automatic/Switch	Manual/Automatic/Switch
Extended interfaces	Power DO	Seven-Way (total load capacity 24V/2A)	Seven-Way (total load capacity 24V/2A)	Three-Way (total load capacity 24V/2A)
	DI	Ten-Way (NPN)	Ten-Way (NPN)	Eleven-Way (PNP/NPN)
	E-stop interface	Two-Way output	Two-Way output	Two-Way output
	Wired network	Three-Way RJ45 gigabit ethernet	Three-Way RJ45 gigabit ethernet	Two-Way M12 X-Code gigabit ethernet
Configurations	Lidar number	1 or 2	1 or 2	2 (SICK nanoScan3)
	HMI display	●	●	-
	E-stop button	●	●	●
	Buzzer	●	●	-
	Speaker	●	●	●
	Ambient light	●	●	●
	Bumper strip	-	-	●
Functions	Wi-Fi roaming	●	●	●
	Automatic charging	●	●	●
	Shelf recognition	●	●	●
	Laser reflector navigation	○	○	○
	3D obstacle avoidance	○	○	○
Certifications	ISO 3691-4	-	-	●
	EMC/ESD	●	●	●
	UN38.3	●	●	●
	Cleanliness	-	ISO Class 4	ISO Class 4

\* Navigation accuracy usually refers to the repeatability accuracy that a robot navigates to the station.