



<div> <div> <div>AMB Series</div> <div>Parameter</div> </div> <div> <div>●Standard</div> <div>○Optional</div> <div>—None</div> </div> </div>		<div>  </div>		<div>  </div>		<div>  </div>		<div>  </div>
Product model		AMB-150 / AMB-150-D		AMB-300 / AMB-300-D		AMB-500 / AMB-500-D		AMB-300XS
Basic parameters	Navigation method	Laser SLAM		Laser SLAM		Laser SLAM		Laser SLAM
	Drive mode	Two-wheel differential		Two-wheel differential		Two-wheel differential		Two-wheel differential
	Shell color	Pearl white / Pearl black / Customized color		Pearl white / Pearl black / Customized Color		Pearl white / Pearl black / Customized Color		RAL9003
	L*W*H (mm)	800*560*200		1000*700*200		1000*700*200		845*585*300
	Rotation diameter (mm)	840		1040		1040		980
	Weight (with battery) (kg)	66		144		130		120
	Load capacity (kg)	150		300		500		300
Performance parameters	Minimum passable width (mm)	700		840		840		725
	Navigation position accuracy (mm)*	±5		±5		±5		±5
	Navigation angle accuracy (°)*	±0.5		±0.5		±0.5		±0.5
	Navigation speed (m/s)	≤1.4		≤1.4		≤1.0		≤1.5
Battery parameters	Battery specifications (V/Ah)	48/35 (Ternary lithium)		48/52 (Ternary lithium)		48/52 (Ternary lithium)		48/40 (Ternary lithium)
	Comprehensive battery life (h)	12		12		10		8
	Charging time (10-80%) (10-80%) (h)	≤2		≤2.5		≤2.5		≤ 2.5
	Charging method	Manual/Automatic/Switch		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)		Seven-Way (total load capacity 24V/2A)		Three-Way (total load capacity 24V/2A)
	DI	Ten-Way (NPN)		Ten-Way (NPN)		Ten-Way (NPN)		Eleven-Way (PNP/NPN)
	E-stop interface	Two-Way output		Two-Way output		Two-Way output		Two-Way output
	Wired network	Three-Way RJ45 gigabit ethernet		Three-Way RJ45 gigabit ethernet		Three-Way RJ45 gigabit ethernet		Two-Way M12 X-Code gigabit ethernet
Configurations	Lidar number	1 or 2 (P+F R2000-HD)		1 or 2 (P+F R2000-HD)		1 or 2 (P+F R2000-HD)		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	●		●		●		●
	RoHS	●		●		●		●
	REACH	●		●		●		●
	Cleanliness	-		-		-		ISO Class 4

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