SLAMTEC

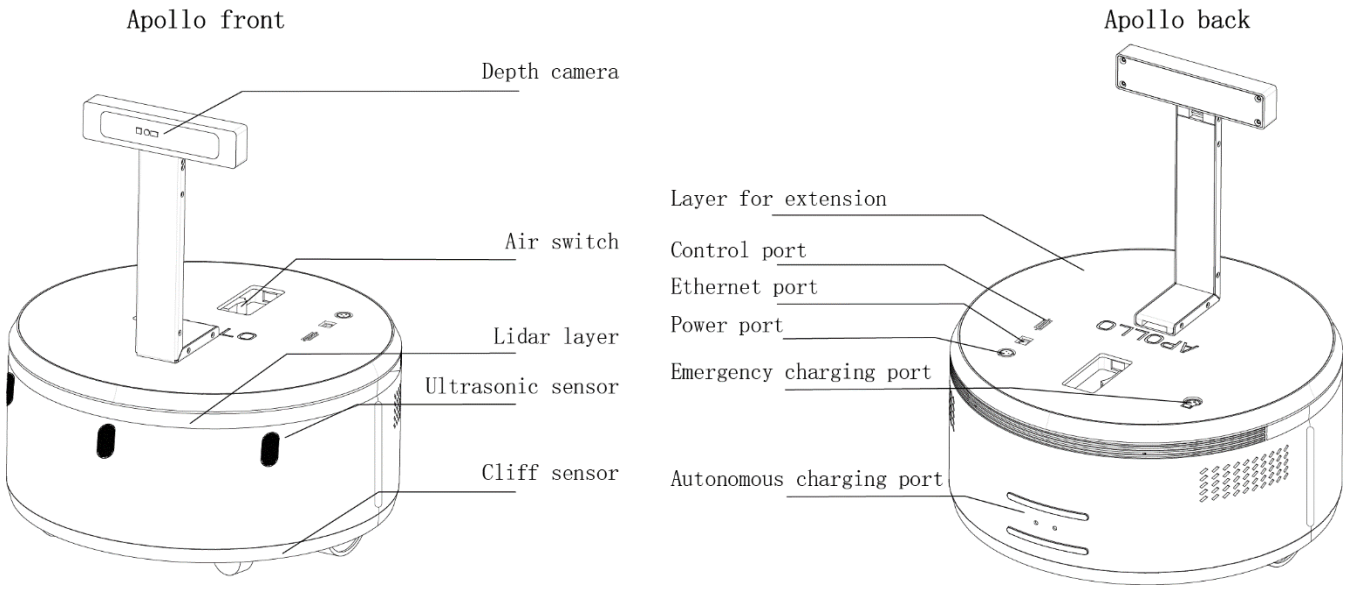
APOLLO A2M11 General Robot Platform

Small & medium-size robot development platform

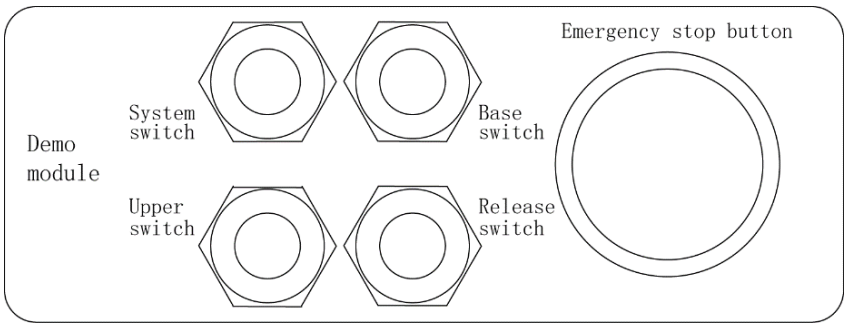
Flexible adaptation and strong extendability

Rich options

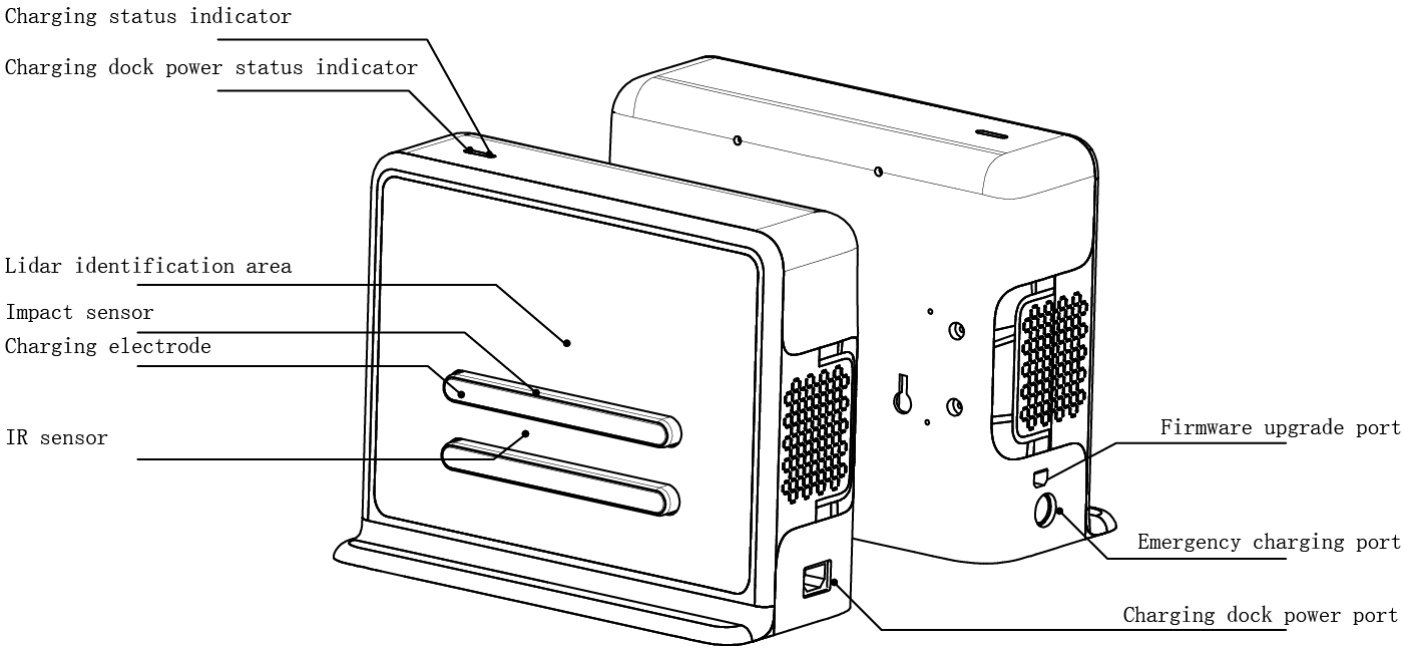
Apollo



Apollo Demo Module (Optional)



Apollo Charging Dock



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Product Name		Apollo A2M11 Series	
Core Feature		SLAM localization and navigation	
		Elevator self-driving and multi-story building mapping (Optional)	
Item		Index	Value
Mass & Volume		Diameter	500mm±10mm
		Height	270mm±10mm (without accessories)
		Weight	About 40kg
		Maximum Load	About 35kg
Sensor Performance	RPLIDAR	Maximum Scan Radius (On the surface with a 90% reflective rate)	15m
	Ultrasonic Sensor	Number	3
		Maximum Detecting Distance	40cm
	Depth Camera	Maximum Detecting Distance	1.3m
		Maximum Viewing Angle	W*H 45°x 35°
	Cliff Sensor	Number	3
		Minimum Detecting Depth	5cm
Mapping Performance		Map Definition	5cm
		Maximum Mapping Area	150m x 150m
Walking Performance		Maximum Speed	0.7 m/s
		Maximum Passing Slope Angle	Slope not supported
User Interface	Hardware Interface	Ethernet	10/100 Mbps
		Control Interface	Self-defined 15 pin interface
		Power	DC 20-25.2V 5A Max
	Software Interface	SLAMWARE™	Windows/iOS/Android/Linux
Battery & Endurance		Working Hours	> 12 h
		Power Dissipation In Stand-by Time	< 25 W
		Battery Life	Power will decline to 60% percent after 300 charge-discharge cycles
Autonomous Recharging		Charging Dock	Input: 220 ~ 240 VAC
			Output: 25.2V 10A Max
		Charging Time	5.5h
Operating Environment		Operating Temperature	-10℃ ~ 40℃
		Operating Humidity	30% ~ 70%

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