



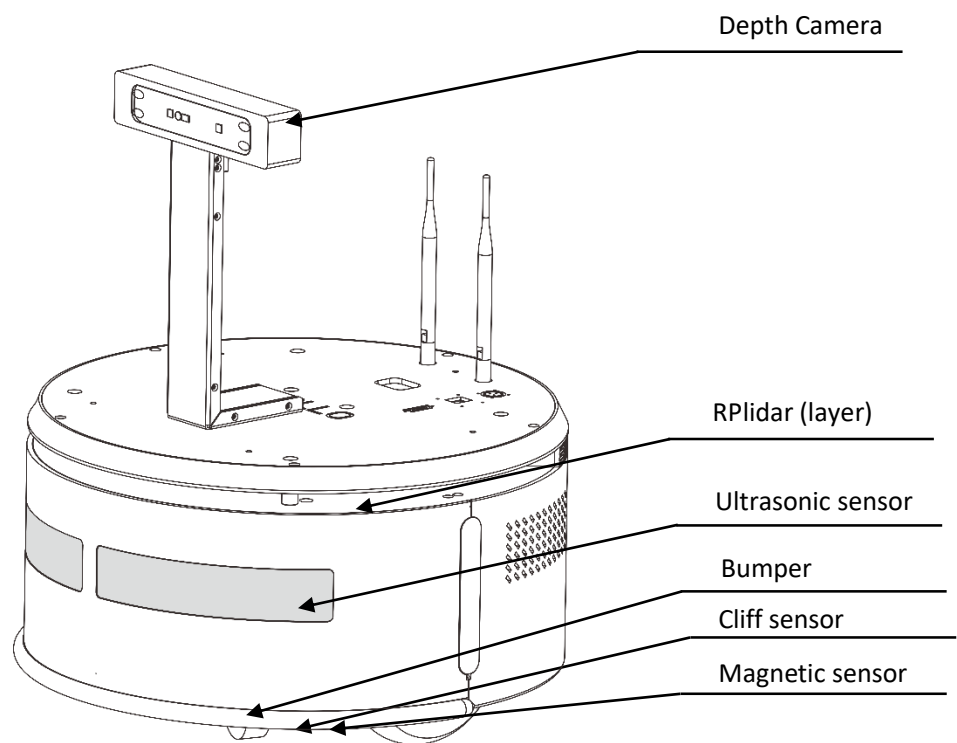
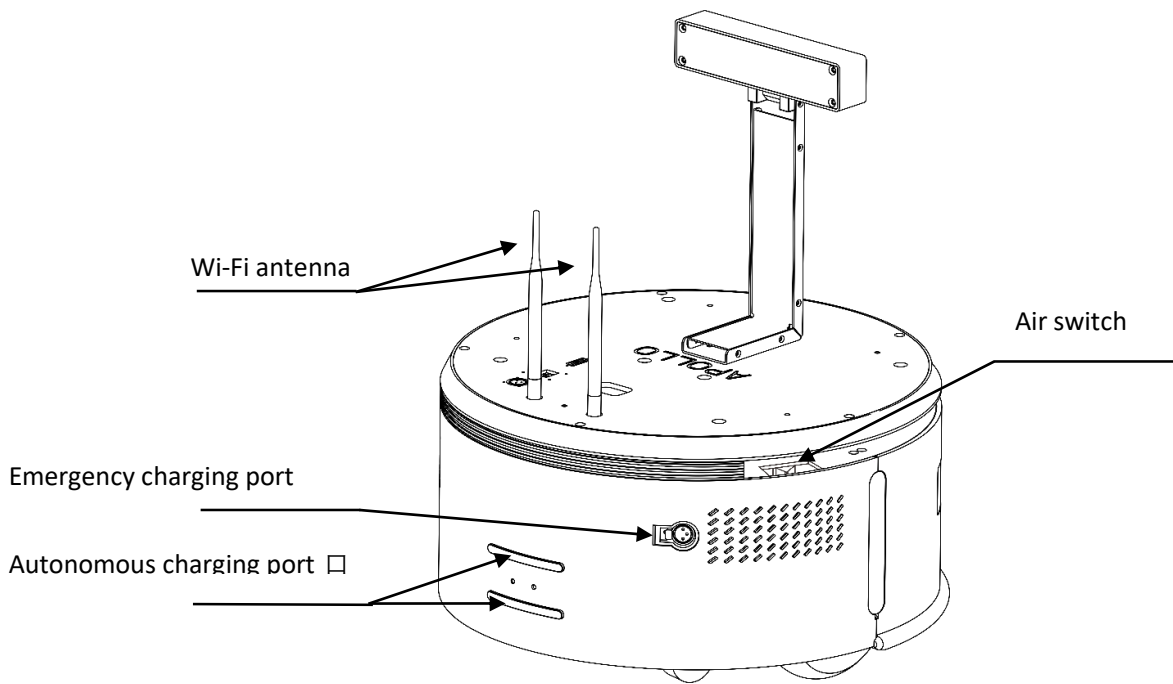
# APOLLO A4M31 General Robot Platform

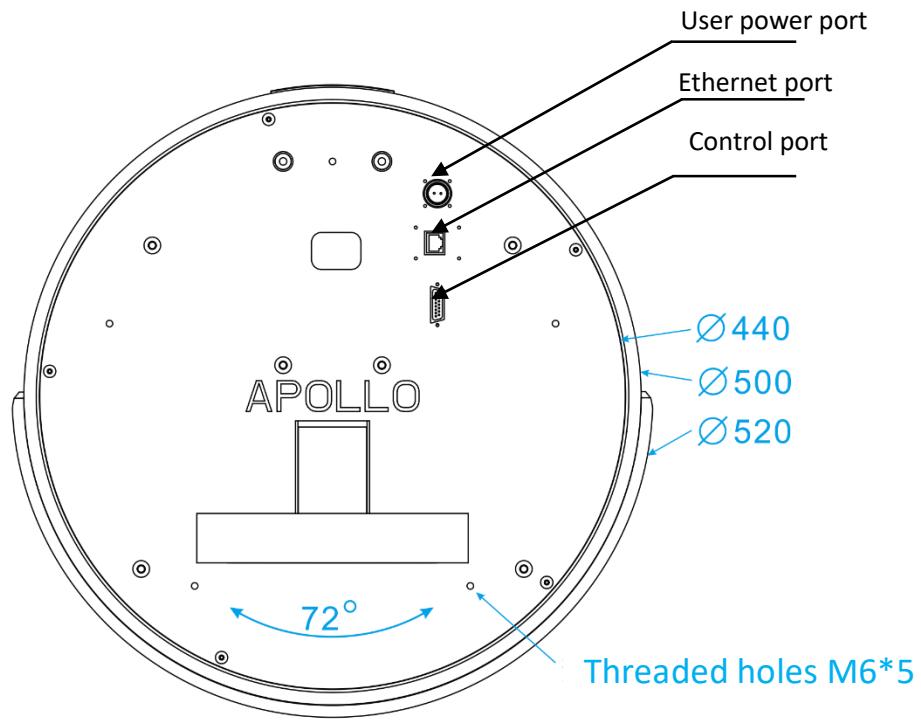
Small & medium-size robot development platform

Flexible adaptation and strong extendability

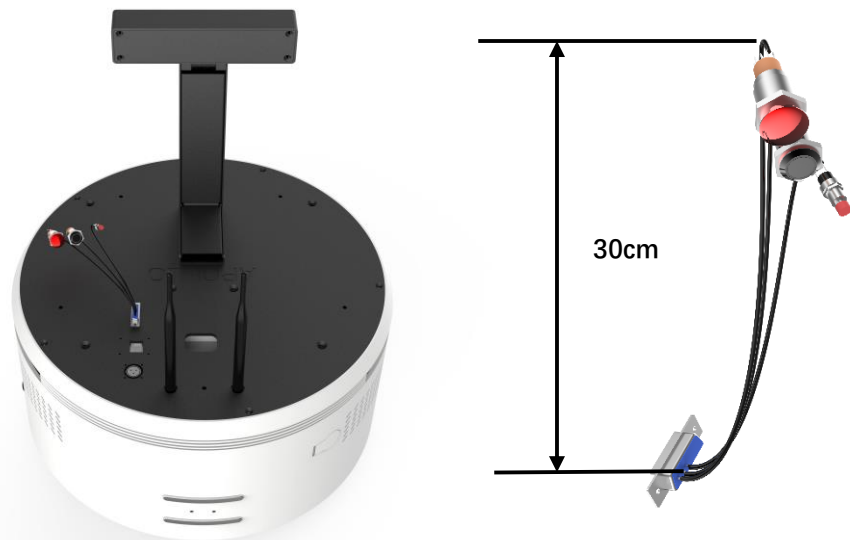
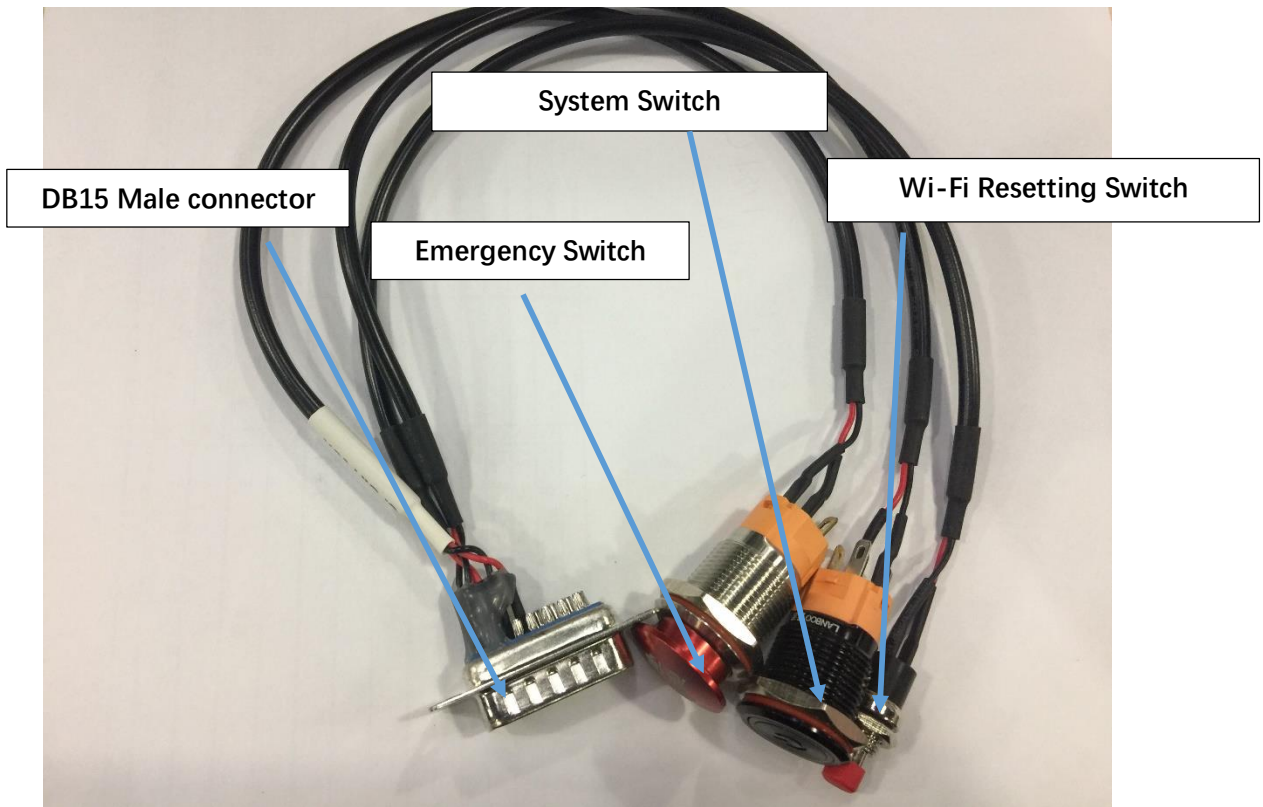
Rich options

## Apollo

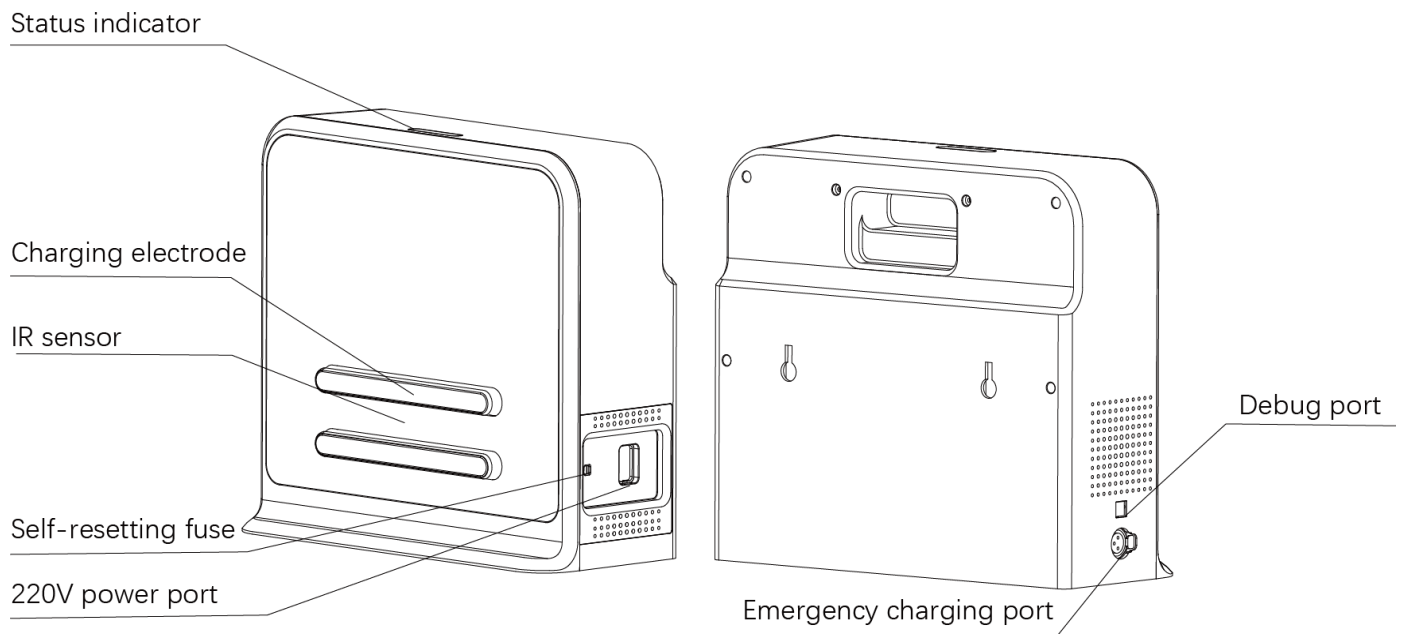




## Apollo Switch(Optional)



## Apollo Charging Station



Product Name		Apollo A4M31 Series	
Core Feature		SLAM localization and navigation	
Item		Index	Value
Mass & Volume		Diameter	500mm±10mm
		Height	270mm±10mm (without accessories)
		Weight	About 47kg
		Maximum Load	About 35kg
Sensor Performance	RPLIDAR	Maximum Scan Radius (On the surface with a 90% reflective rate)	25m
		Ultrasonic Sensor	Number
	Maximum Detecting Distance		50cm
	Cliff Sensor	Number	3
		Minimum Detecting Depth	5cm
	Depth Camera	Detecting Distance Range	0.4m-1.3m
		Field of View (FOV)	H 59° / V 46°
	Magnetic Sensor	Number	3
		Minimum Detecting Distance	3.5cm
	Pressure Bumper	Number	1
Pressure Increase Rate		100pa/5ms	
Mapping Performance		Map Definition	5cm
		Maximum Mapping Area	500m x 500m
Walking Performance		Maximum Speed	0.7 m/s
		Maximum Passing Slope Angle	Slope not supported
User Interface	Hardware Interface	Ethernet	10/100/1000 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°C ~ 40°C
		Operating Humidity	30% ~ 70%