ATEAGO S7-80 Delivery Robot Specs		
Image	 	
Basic Parameters	Height	1240 (mm)
	Length*Width	550*500 (mm)
	Weight	58kg
	Exterior material	Flame Resistance ABS
Load Device	Box configuration	4 layers (can be combined and adjusted into 2-layer, 3-layer, 4-layer)
	Single layer height	4 layers: 190mm, 190mm, 190mm
	Detachability	Detachable layers
	Size	500*424mm
	Load capacity	80kg
Operating environment	Waterproof and dustproof grade	Whole body: IP43; Battery: IP66
	Operating temperature	-10 ℃ ~ 65 ℃; UV resistance; Corrosion resistant
	Storage temperature	-20°C~65°C
	Charging temperature	5~40℃ (indoor)
Display	10.1-inch screen, MIPI interface, resolution 1280*720	
Network Communication	4G	supported,FDD B1/B3/B5/B8,TDD B38/39/30/41
	5G	Support, need to add 5G accessories
	Traffic quota	Each robot is 2G/month
	WIFI	Wifi module (AP6256) 2.4G&5GHz, support 802.11a/b/g/n/ac protocal
	Bluetooth	Bluetooth 5.0，BLE
OS	Android 11+ Linux(Ubuntu)	
Sensors	Lidar*1	Detection Range: 360º, Detection Distance: 0.02 to 40 m
	Depth Camera	FOV：H 72°(±3°) V 50.5°(±3°)，Detection Distance: 0.4～2m
	RGB Camera	215°FOV, Resolution1280*720
	IMU	6 DOF; Rate Dynamic Range: ±2000 dps; Accuracy: 0.01°
	Wheel Speed Sensor	odometer
Charging & Battery Life	Battery	Charging voltage: 24V
		Capacity: 15Ah
		Duration: 10h
		7*24h service can be achieved with the charging pile.
		Time to fully charge: 2.5 hours
	Adapter	Working voltage: 100~240VAC, 50/60Hz
	Charging pile	Size: 375mm*160mm*355mm
		Weight: 4.35kg
		Input: 100-240V~50/60 Hz
		Output: 29.4V==7.0A
Control	Chassis CPU	ARM® Quad-core Cortex-A72 1.5Ghz
	Screen CPU	ARM® Quad-core Cortex-A55 2.0Ghz
	Chassis GPU	VideoCore VI
	Screen GPU	Mail-G52 GPU
	Chassis Memory	RAM：4GB Dual channel LPDDR4；ROM：32GB High speed eMMC
	Screen Memory	RAM：2GB Dual channel LPDDR4；ROM：16GB High speed eMMC
	Image Processing	Support OpenGL ES 1.1/2.0/3.0,OpenCL1.2,Directx11
		Embedded high-performance 3D acceleration hardware
		H.264/H.265/VP9 up to4Kx2K@60fps
		H.264/H.265; The decoder supports 10bit decoding
		1080P multi-format video decoding, supporting H.264, VP8 and MVC
Other Firmware	Ambient lighting	LED
	Emergency button	1
	Loudspeaker	8Ω15W, supports TTS/ audio stream output
Performance	Velocity	0.3-1.2m/s (adjustable)
	Navigation Mode	Free Navigation / Track Navigation / Mixed Navigation / Follow
	Whether support outdoor operation	It can be used in the park zone that meets certain requirements.
	Obstacle climbing	20mm
	Slope climbing	8°
	Floor gap width	35mm
	Passage width	The passing width of the robot should be no less than 70cm
	Elevator width	No less than 70cm
	Gate width	No less than 70cm
	Positioning Accuracy	±5(mm)/±1(°)
Expansion	Peripherals	Elevator, automatic door, notification light and speaker, call button, follow wristband, roller, box, shelf
Software	Mini Program, App	Remote management via WeChat, allows task command issuance, map editing, and task statistics visualization without installation
	Robot Management Big Data Cloud Platform	User permissions and business management; Operational data analysis
	Remote Monitoring Platform	Real-time robot status monitoring; Fault real-time alarms and remote handling
	Remote Deployment Management Platform	Remote deployment, robot remote scanning, and map editing
	Remote Scheduling Management Platform	Remote cross-space scheduling
	Real-time Data Visualization Screen	Displays real-time robot status and operational statistics under different business scenarios