

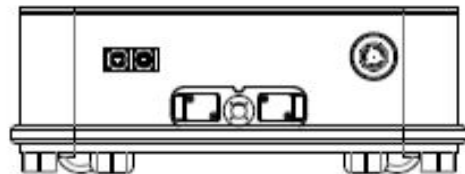
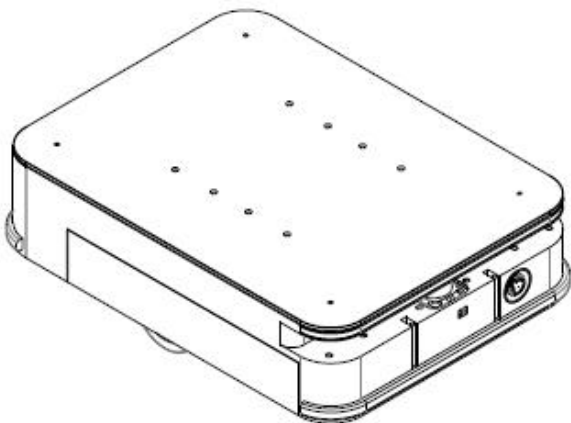
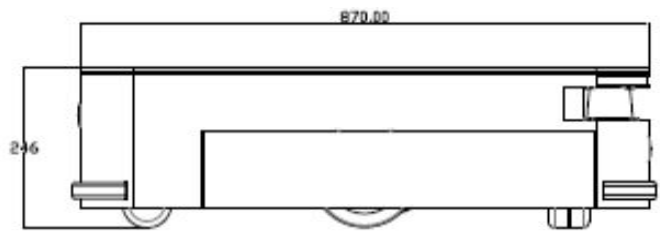
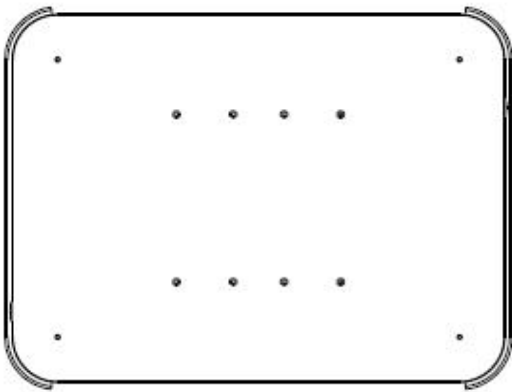
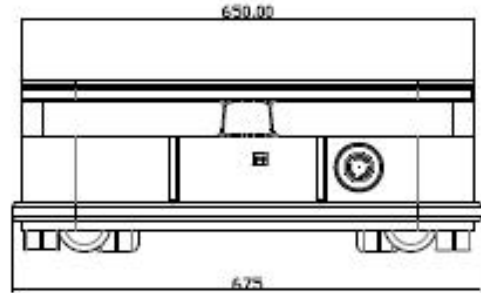
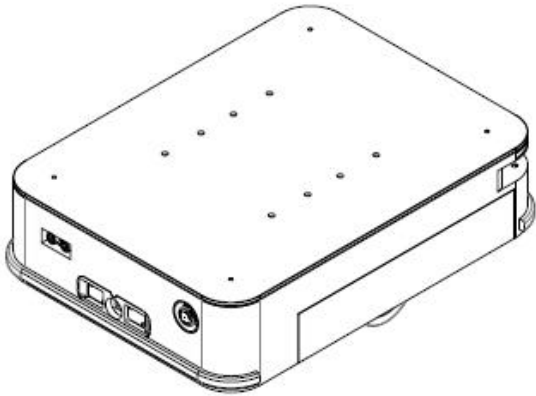


Under Drive Lifting Mobile Robot - W600

INS + QR Code Navigation + Load 600Kg



Dimension





Specification

Specification	Description
Type	W600
Drive Mode	Differential/Wheel/Jacking
Dimension	870*650*250mm
Weight (Including Battery)	160kg
Wired Network	RJ45 interface*1
Wireless Network	Inside Moxa AWK-1137C
Capacity	Ternary polymer lithium battery,48V 32Ah
Endurance	≥8h
Charging Time	2h
Charging Mode	Manual /Automatic (with automatic charging piles)
Battery Charge and Discharge Cycles	Fully charged and used up≥1000
The Number of Navigation Laser	1(sick nanoscan3/peppert+fuchs R2000-HD)
Maximum Load	600kg
Climbing Capacity(Note 1)	Slope < 5%
Passivity	Step < 0.5cm,Gap < 2cm
Locating Accuracy(Note2)	±5mm,±0.5°
Navigation Speed	≤1.6m/s
Differential Drive Motor	750W*2
Lifting Motor	600W ^{3/6}
Drive	750W*2,600W*1



Lifting Form	Connecting rod type lifting	
Lifting Height	60mm	
Lifting Performance	2S ±0.5S	
Map Area(single frame)	200000 m ²	
Ambient Temperature	0°C~50°C(Humidity 10-90%)	
Humidity Range	No compression condensation	
IP Rating(Note5)	IP20	
Safety Edge	√	
Emergency Stop Button	2	
Buzzer	√	
Power-on Light	√	
Speaker	√	
Light Strip	√	
Basic Features(Note 3)	√	
WiFi Roaming	√	
Automatic Charging (Note4)	○	
Shelf Identification	√	
Laser Reflector Navigation	√	
√ Supported	× Not supported	○ Optional

Note:

1. The pavement needs to be smooth, clean and without obvious undulations. Slope 5% = $\arctan(0.05) \sim 2.8^\circ$. The robot cannot stop or turn on the ramp, step or gap, but can pass quickly perpendicular to the ramp, step or gap.



2. The location accuracy is affected by environment,ground,etc.Please refer to the location accuracy interpretation in the final technical agreement.
3. Map editing,model editing,localization module,navigation.
4. Need to be used with a dedicated automatic charging pile.





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