



Spec	AGV
Dimension	120cm(L) x 50cm(W) x 27.8cm(H)
Weight	171 Kg with Pb-Acid battery
Moving Speed (flat ground)	Maximum speed with Payload 600kg: 3.1km/hour
Moving Direction	Forward/ backward/ Spin
Payload	600kg
Climb angle	3 degree
Guidance Type	Laser guided by front lidar and rear lidar
Turning Radius	0m when spin
Communication	Wi-Fi (2.4GHz/5GHz)
Operation Time	4 hours charging offers 8 hours operation
(Mixed mode at 0.5m/s)	15 minutes charging offers 1 hour operation
Charging System	1) Automatic charging (AGV returns to charging station when battery capacity is low) 2) Manual charging for extra battery pack



## Automatic Guided Vehicle



# Smart Factory Solution

## Smart Automatic Guided Vehicle



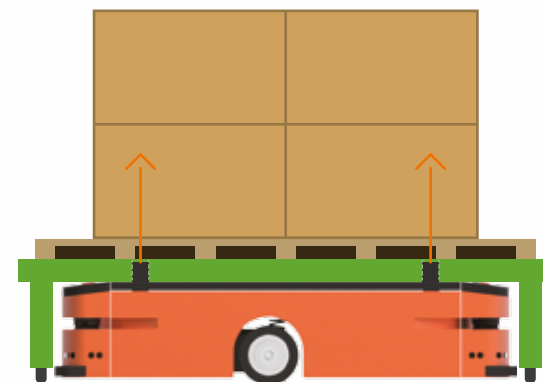
### 2 Ways for Charging

- Automatic charging  
(AGV returns to charging station when battery capacity is low)
- Manual charging for extra battery pack



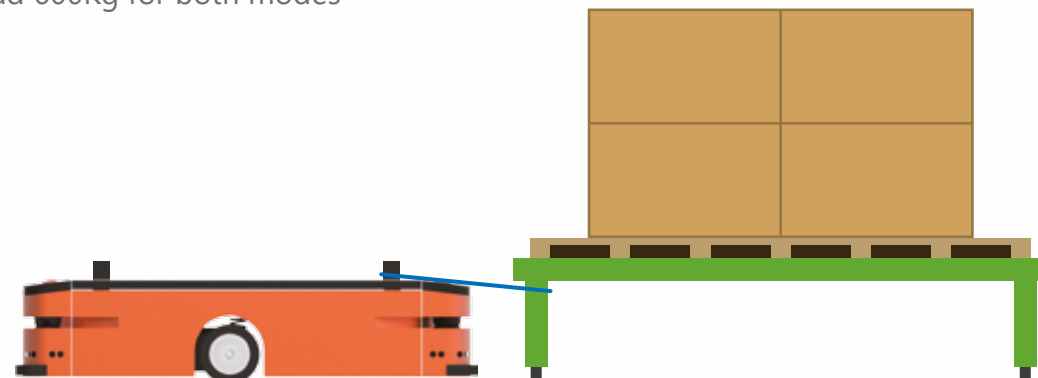
### SLAM navigation

- AGV to build up whole zone map via Slam
- 2 lidars (front, rear) for more flexible moving control
- AGV can take elevator to other floors via optional elevator controllers.

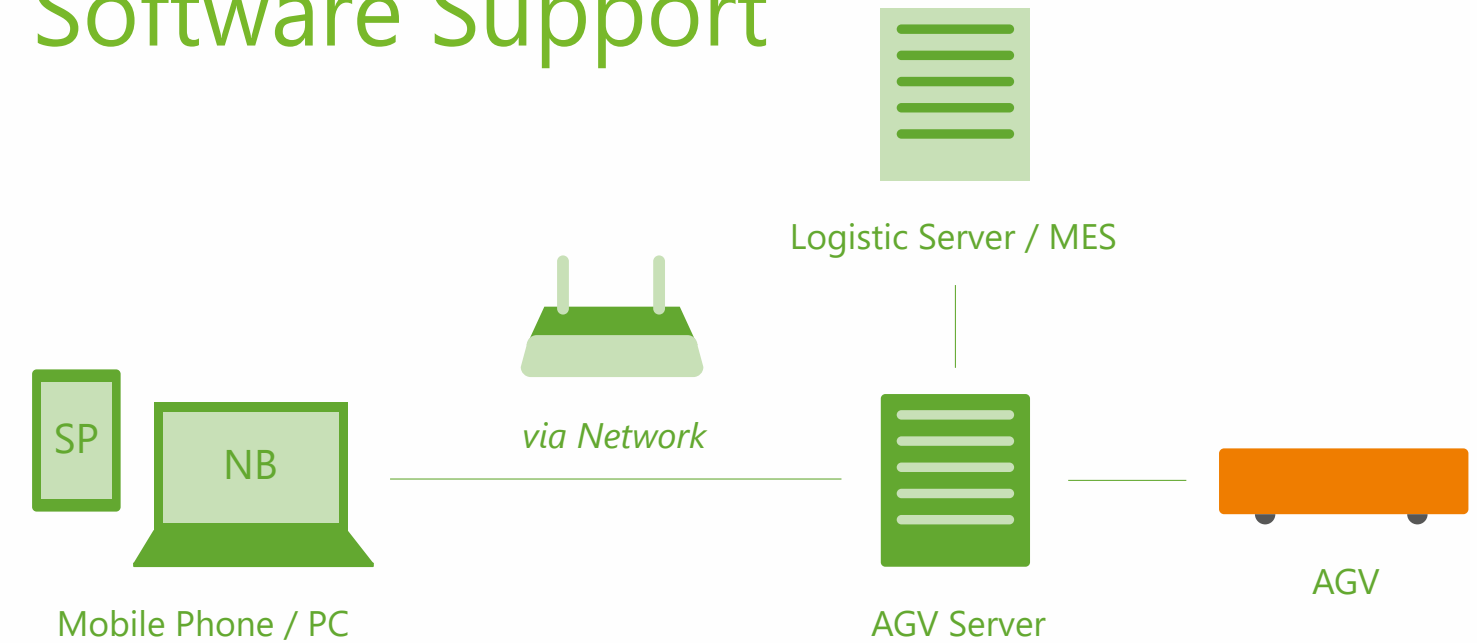


### 2 Delivery Methods

- Payload 600Kg for both modes



# Software Support



## AGV Control Center System

- Dispatch AGV and task assignment
- Traffic control
- Provide APIs to communicate with MES and WMS

## Mobile Control

- Mobile App offers quick control for AGV moving and path as well as self-testing.

