

AGV Model No

Zalpha-□□-01△	Zalpha-□□-03△	Zalpha-□□-05△	
Payload (KG)	100	300	500
Max speed (m/min)	60	60	40
Run time (Hours)	10	8	8
Recharge time (Hours)	4	4	4

□□ Navigation method option

MG : Magnetic

TS : Trackless

△ Base dimension (WxLxH) mm	S: Standard: W550 x L750 x H200 (Panel H800)	
	E: Extended: W550 x L1030 x H200 (Panel H800)	
	L: Low Bed: W550 x L1030 x H200	
Stopping accuracy	MG : ±10mm	TS : ±100mm
Travelling direction	Forward, Reverse, 90/180 degree turn	
Turning radius	Zero (0)	
Drive method	Differential	
Charging option	Automatic and Manual Charging Available	
Mode	Standalone or Fleet Management System (FMS)	
Safety features	5m adjustable Range Laser Scanner x1, Bumper Switch x2 Emergency Switch x1 External Safety Input	
Safety indicator	Color LED Lighting, Music Playback and Alarm	
Motor type	Industrial Servo Motor with Close Loop Drive	
Onboard interface	7 Inch Capacitive Touchscreen	
Battery	LiFePo4 Battery, 25.6V	
WiFi frequency	2.4/5GHz	
Operating system	NavWiz	
Customisable I/O	8 Inputs and 8 Outputs	
Payload handler	Not Included	

ZALPHA AGV

AUTOMATED GUIDED VEHICLE



FEATURES

ZALPHA



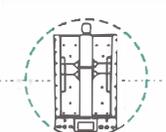
Modular

Zalpha is built with modular parts making it easy for servicing and maintenance.



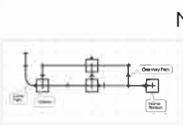
Safety

Equipped with redundant safety features such as laser sensor, bumper, emergency button, etc.



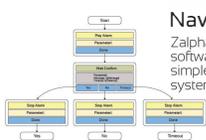
Differential Driven

Zero turning radius.



NavWiz Map

Allows user to draw and plan topological map for Zalpha



NavWiz Task

Zalpha programming software using simple flowchart system.



Auto Charging

Automatically charges itself to ensure 24-hour continuous operation



Bi-Directional

Able to move both forward and reverse.



Sixteen I/O

Additional 8 inputs and 8 outputs to meet user's applications



Internet of Thing

Zalpha is IoT-enabled to meet industry 4.0 requirements

AGV BASE

ZALPHA

Automated Guided Vehicle (AGV) is a mobile robot that can automatically navigate and transport materials from one location to another. It is suitable for (not limited to) manufacturing, textile, automotive, food & beverage, warehousing, hospital operations, etc. Zalpha AGV is a modern AGV equipped with the latest technologies. Its modular design is flexible and easy to maintain. Powered by NavWiz system, the usage and programming of an AGV has never been this easy and simple.



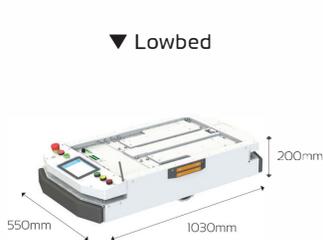
Standard



Extension



Lowbed



PAYLOAD HANDLER



Conveyor



Towing



Hooking



Cabinet



ZALPHA