



MP300 MAGNUS AMR

One base, Multiple applications.

SESTO™

KEY FEATURES



300 kg payload

Handles 300 kg in tight environments



Obstacles Awareness

Ensures safe movement in dynamic environments



Seamless Integration

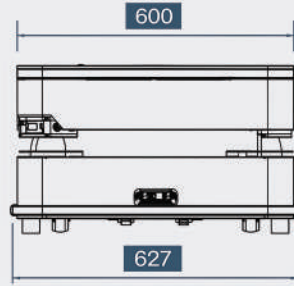
Ensures safe movement in dynamic environments



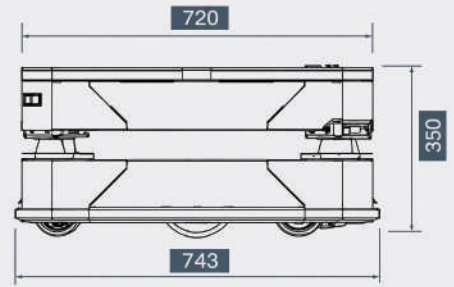
Bi-directional movement

Moves efficiently in both directions

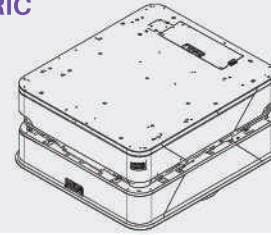
FRONT VIEW



SIDE VIEW



ISOMETRIC VIEW



SPECIFICATIONS

01 Platform & Design

Platform Setup	Base for shelves, lifting platform, or robot arm mounting
Payload	Up to 300 kg
Weight	120 kg (with battery)
Dimensions (L x W x H)	743 x 627 x 350 mm

03 Performance & Mobility

Battery	LiFePO ₄ , 48V, 50Ah (≈3 years / 2000 cycles)
Charge Time	~3 hours
Operating Time	8-10 hours (without payload)
Maximum Speed	1.2 m/s
Mobility	Bi-directional, spot turn, slope < 3°
Traverse Capability	Sill 8 mm · Gap 35 mm
Charging	Auto-docking

05 Connectivity & Compliance

Connectivity	LWLAN (2.4GHz / 5GHz, 802.11 a/b/g/n/ac), SESTO REST API
Compliance	Class 100 cleanroom, IP31, ESD <10 ⁷ Ohms

02 Navigation & Safety

Localisation & Navigation	Safety LIDARs (front & rear), 40 m range, 360° coverage
Safety Bumpers	Front & rear
Status Lights	LED (RGB)
Warning Audio	Navigation & obstacle alerts
3D Cameras	2x front & rear, angled upwards
Obstacle Response	Detects and stops up to 2 m away

04 System & Integration

Fleet Management	Basic up to 5 AMRs, Enterprise up to 30 AMRs
Operating System	Ubuntu 16.04+, Red Hat 6/7+, CentOS
Interface & Workflow	Web-based UI with Envoy task management
Integration	Elevator and door API support

06 Standards

Standards	EN / ISO 3691-4, EN 1175-1, EN 12895, EN 60204-1, EN ISO 13849-1, EN 61000-6-7, EN 61000-6-2
------------------	--

CONTACT US

sales@sestorobotics.com
+65 6266 1522



@sestorobotics7941



Sesto Robotics