

RB-ROBOUT

AUTONOMOUS MOBILE ROBOT (AMR)

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FOR **HIGH LOADS** TRANSPORT



LOADING / UNLOADING



INDUSTRIAL TASKS



WAREHOUSING TRANSPORT



RB-ROBOUT

AUTOMATE INDOOR TRANSPORT OF LOADS UP TO 2 TONNES IN LOGISTICS OR MANUFACTURING ENVIRONMENTS

The **RB-ROBOUT** mobile robot is the solution for transporting heavy loads up to 2 tonnes in indoor industrial environments such as factories or warehouses. **RB-ROBOUT** has a low steel 'mouse' design and compact dimensions, making it ideal for transporting both material trolleys and loads directly on the platform.

COMPONENTS INCLUDED

- CPU Intel i7
- Safety Pack
 - » 2D safety scanner x2
 - » Safety PLC
- Front & back RGBD Camera
- 5G Router
- IMU
- Battery 48VDC@100Ah
- Mecanum high payload wheels
 - » Payload: **1.000 kg**
- Charging station

OPTIONAL COMPONENTS

- 3D Localization Package
- AI Computing Vision Package
- Lifting unit
- Magnetic guide navigation
- Roller conveyor
- [SIEMENS SIMOVE Carrier Control](#)
- Remote emergency stop
- Heavy payload increase up to 2.000 kg

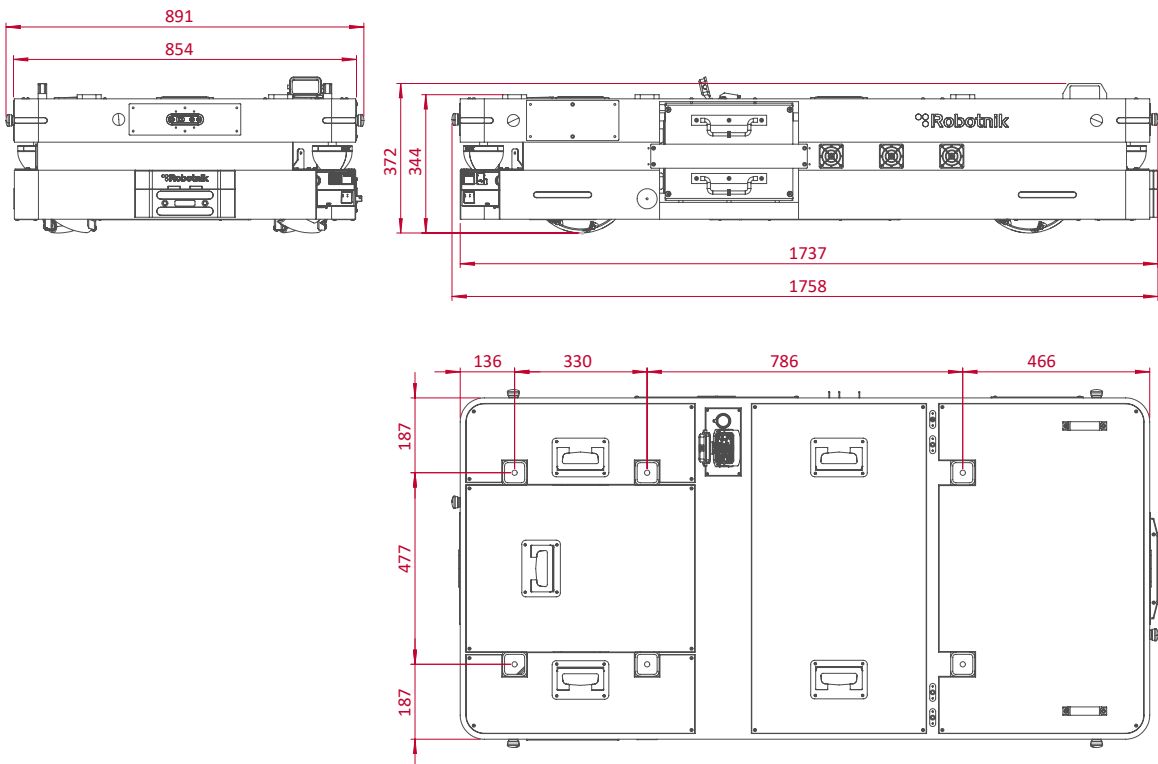
MECHANICAL

Dimensions	1.758 x 891 x 372 mm
Weight	360 kg
Payload	2.000 kg
Speed	1,1 m/s
Environment	Indoor
Enclosure class	IP42
Autonomy	Up to 10 h
Traction motors	4 x 750 W with brake
Kinematics	Omnidirectional
Localization system	SLAM / Magnetic guide
Temperature range	0°C to + 45°C
Max. slope	11 %
Anchor points	6 on the top

CONTROL

Controller	ROS 2 Architecture
Communication	WiFi 802.11 b/g/n/ac Bluetooth 4.0
Connectivity	USB x3 Ethernet x3 HDMI x1

BLUEPRINTS



Generation ROBOTS

Brand of **NGX** ROBOTICS



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