

# 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 1 TONNE IN LOGISTICS OR MANUFACTURING ENVIRONMENTS

The **RB-ROBOUT** mobile robot is the solution for transporting heavy loads up to 1 tonne 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 and Navigation Package
- AI+Vision Package
- Lifting unit
- Magnetic guide navigation
- Roller conveyor
- Remote emergency stop

## MECHANICAL

Dimensions	<b>1.758 x 891 x 372 mm</b>
Weight	<b>350 Kg</b>
Payload	<b>1.000 Kg</b>
Speed	<b>1,1 m/s</b>
Environment	<b>Indoor</b>
Enclosure class	<b>IP42</b>
Autonomy	<b>Up to 10 h</b>
Traction motors	<b>4 x 750 W with brake</b>
Kinematics	<b>Omnidirectional</b>
Localization system	<b>SLAM / Magnetic guide</b>
Temperature range	<b>0°C to + 50°C</b>
Max. slope	<b>11 %</b>
Anchor points	<b>6 on the top</b>

## CONTROL

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

## BLUEPRINTS

