

# RB-ROBOUT

AUTONOMOUS MOBILE ROBOT (AMR)

AUTONOMOUS MOBILE ROBOT (AMR)  
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
- SIEMENS SIMOVE Carrier Control
- Remote emergency stop

## MECHANICAL

|                     |                              |
|---------------------|------------------------------|
| Dimensions          | <b>1.758 x 891 x 372 mm</b>  |
| Weight              | <b>360 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 + 45°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><br><b>Bluetooth 4.0</b>   |
| Connectivity  | <b>USB x3</b><br><b>Ethernet x3</b><br><b>HDMI x1</b> |

## BLUEPRINTS

