

RB-ROBOUT

AUTONOMOUS MOBILE ROBOT (AMR)
FOR **HIGH LOADS** TRANSPORT

- 1 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
- Al+Vision Package
- Lifting unit
- Magnetic guide navigation
- Roller conveyor
- Remote emergency stop

MECHANICAL

Dimensions 1.758 x 891 x 372 mm

Weight 350 Kg

Payload 1.000 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 + 50°C

Max. slope 11 %

Anchor points 6 on the top

CONTROL

Controller ROS 2 Architecture

Communication WiFi 802.11 b/g/n/ac

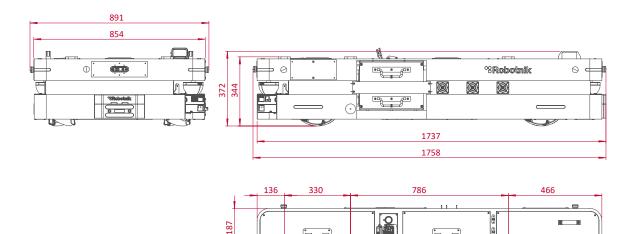
Bluetooth 4.0

Connectivity USB x3

Ethernet x3

DC Power Output

BLUEPRINTS



477

187