

# RB-THERON

AUTONOMOUS MOBILE ROBOT (AMR)

DESIGNED FOR  
**INDOOR APPLICATIONS**

THE ROBOT CAN **CARRY 200 KG** &  
INTEGRATE DIFFERENT SENSORS



LOGISTICS



INDUSTRIAL TASKS



RESEARCH & DEVELOPMENT



# RB-THERON

INDUSTRIAL VERSION

## 200 KG OF PAYLOAD AND 8H OF AUTONOMY

**RB-THERON** mobile robot is designed for autonomous transport in indoor environments. With a payload capacity of 200 Kg, **RB-THERON** has an improved traction system, lasers and a safety PLC that allow it to work safely in industrial environments where people are around.

## COMPONENTS INCLUDED

- CPU
- Safety Pack
  - » 2x 2D safety scanner
  - » Safety PLC
- Front RGBD Camera
- 4G Router
- IMU
- Battery 48VDC@21Ah
- Docking station

## OPTIONAL COMPONENTS

- Lifting unit
- 3D Localization and Navigation Package
- AI+Vision Package
- 5G Router

## MECHANICAL

Dimensions **717 x 550 x 320 mm**

Dimensions (lifting unit) **717 x 550 x 418 mm**

Weight **70 Kg**

Payload **200 Kg**

Speed **1,25 m/s**

Enclosure class **IP30**

Autonomy **Up to 8 h**

Temperature Range **0°C to + 40°C**

Max. Slope **6 %**

Traction Systems **Differential drive**

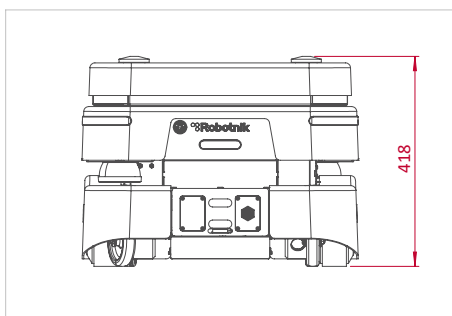
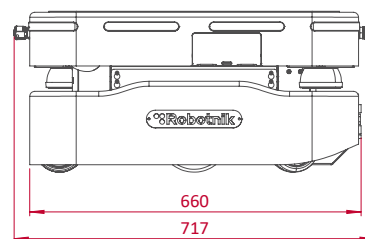
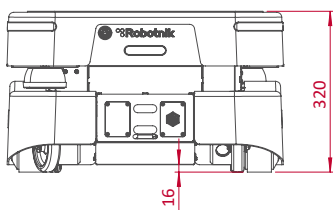
## CONTROL

Controller **CPU ROS (Intel i7)**

Communication **WiFi 802.11ac**  
**Bluetooth 5.1**

Connectivity **2 x USB**  
**3 x Ethernet**  
**1 x HDMI**  
**DC Power Output**

## BLUEPRINTS



LIFTING UNIT

