

RB-THERON

AUTONOMOUS MOBILE ROBOT (AMR)

DESIGNED FOR
INDOOR APPLICATIONS

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

 RETAIL

 QUALITY CONTROL

 R & D

 DEVELOPMENT OF OWN APPLICATIONS



RB-THERON



Dimensions (mm)	717 x 550 x 320
Dimensions (mm) (Lifting unit)	717 x 550 x 418
Weight (kg)	70
Payload (kg)	Up to 200
Speed (m/s)	1,25
Environment	Indoor
Enclosure class	IP30
Autonomy (h)	8
Traction motors (W)	2 x 250 with brake
Traction systems	Differential drive
Localization system	SLAM
Temperature range (°C)	0° to +45°
Max. Slope (%)	6
Controller	ROS 2 Architecture
WiFi	WiFi 802.11 b/g/n/ac
Bluetooth	4.0
Connectivity	USB, Ethernet, HDMI
Power outputs	12V, 24V, VBATT

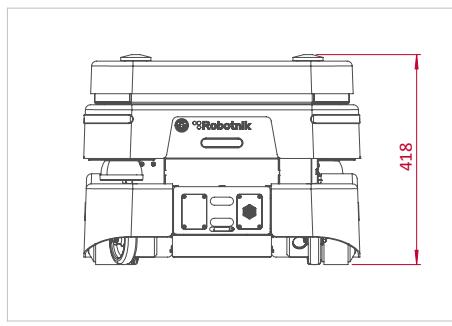
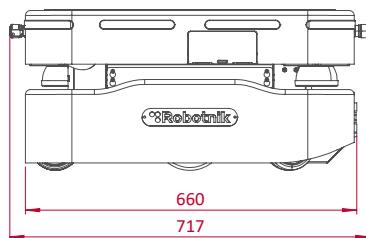
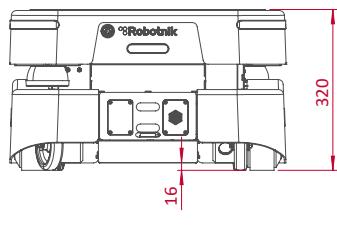
RB-THERON is a compact Autonomous Mobile Robot designed for indoor applications that require flexibility and modularity. Ideal for warehouses, retail, or industrial environments, it enables tailored solutions for inventory management, RFID tracking, or real-time stock control. It supports loads of up to 200 kg, and its modular design allows additional sensors and components to be integrated according to specific needs.

INCLUDED COMPONENTS

- CPU i7
- Battery UN38.3 - 48VDC@15Ah
- 5G Router
- IMU
- RGBD camera
- Safety Pack 360°
 - » 2D Safety LiDARs + Safety PLC
- [Charging Station](#)

OPTIONAL COMPONENTS

- Lifting unit
- Belt conveyor module
- 3D LiDAR Robosense Airy
- 3D LiDAR Robosense RS-HELIOS 16P
- 3D SLAM Software Packages
- AI Computing Vision Package
 - » ZED camera and GPU



LIFTING UNIT

