

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

200 KG OF PAYLOAD AND 8H OF AUTONOMY

The **RB-THERON** Autonomous Mobile Robot is specially designed for scalable projects that require flexibility and modularity, such as retail or quality control applications. This platform allows the development of customized solutions to perform tasks such as inventory management, RFID tracking or real-time stock control.

COMPONENTS INCLUDED

- CPU Intel i7
- Safety Pack
 - » 2D safety scanner x2
 - » Safety PLC
- RGBD camera
- 5G Router
- IMU
- Battery UN38.3 - 48VDC@15Ah
- Charging station

OPTIONAL COMPONENTS

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

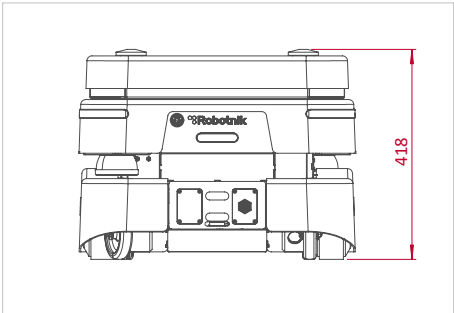
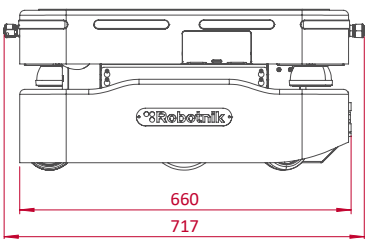
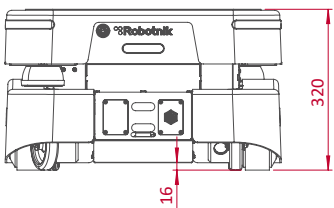
MECHANICAL

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
Environment	Indoor
Enclosure class	IP30
Autonomy	Up to 8 h
Traction motors	2 x 250 W with brake
Kinematics	Differential drive
Localization system	SLAM
Temperature range	0°C to + 40°C
Max. slope	6 %

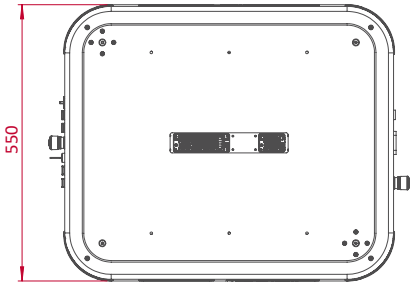
CONTROL

Controller	ROS 2 Architecture
Communication	WiFi 802.11 b/g/n/ac Bluetooth 4.0
Connectivity	USB x2 Ethernet x3 HDMI x1 Power Outputs: » 12V » 24V » VBATT

BLUEPRINTS



LIFTING UNIT



Generation ROBOTS

Brand of **NGX** ROBOTICS



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