

AUTONOMOUS MOBILE ROBOT (AMR)

# RB-KAIROS

READY TO INTEGRATE A  
UNIVERSAL ROBOTS eSERIES ARM  
(UR7e / UR12e / UR16e)

 INDUSTRIAL APPLICATIONS

 LOGISTICS

 GOODS TRANSPORT

 R&D



# RB-KAIROS



Dimensions (mm)	978 x 776 x 690
Weight (kg)	115
Payload (kg)	250
Speed (m/s)	1,5
Environment	Indoor
Enclosure class	IP52
Autonomy (h)	12
Traction motors (W)	4 x 500 with brake
Traction systems	Omnidirectional
Localization system	SLAM
Temperature range (°C)	0° to +45°
Max. Slope (%)	15
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-KAIROS** is an autonomous mobile robot with a payload capacity of up to 250 kg, ideal for automating indoor industrial applications such as material transport.

Its robust steel design and omnidirectional kinematics allow it to move agilely in any direction, safely navigating around obstacles. The platform is ready for easy integration of a Universal Robots e-Series arm.

## INCLUDED COMPONENTS

- CPU i7
- Battery UN38.3 - 48V@58Ah
- 5G Router
- IMU
- RGBD camera
- Safety Pack 360°
  - » 2D Safety LiDARs + Safety PLC
- Mecanum omnidirectional wheels
  - » Payload: **100 kg**
- [Charging Station](#)

## OPTIONAL COMPONENTS

- Mecanum omnidirectional strong wheels
  - » Payload: **250 kg**
- 3D LiDAR Robosense Airy
- 3D LiDAR Robosense RS-HELIOS 16P
- 3D SLAM Software Packages
- AI Computing Vision Package
  - » ZED camera and GPU

