



AUTONOMOUS MOBILE ROBOT (AMR)

RB-KAIROS

READY TO INTEGRATE A
UNIVERSAL ROBOTS eSERIES ARM
(UR5e / UR10e / UR16e)

-  INDUSTRIAL APPLICATIONS
-  LOGISTICS
-  GOODS TRANSPORT
-  R&D



RB-KAIROS

AMR FOR INDUSTRIAL APPLICATIONS

The **RB-KAIROS** Autonomous Mobile Robot is extremely useful for indoor industrial applications. With a payload capacity of up to 250 kg, it is ideal for automating the transport of goods.

RB-KAIROS is a robust AMR due to its steel design and especially agile thanks to the omnidirectional kinematics that allows the robot to move in any direction, navigating faster and safer through environments with obstacles.

COMPONENTS INCLUDED

- Mecanum standard wheels
 - » Payload: **100 kg**
- CPU Intel i7
- Safety Pack
 - » 2D safety scanner x2
 - » Safety PLC
- RGBD camera
- 4G Router
- IMU
- Battery 48VDC@30Ah
- Charging station

OPTIONAL COMPONENTS

- Mecanum high payload wheels
 - » Payload: **250 kg**
- 5G Router
- AI+Vision Package
- 3D Localization and Navigation Package

MECHANICAL

Dimensions	978 x 776 x 690 mm
Weight	115 kg
Payload	Up to 250 kg
Speed	1,5 m / s
Environment	Indoor
Enclosure class	IP52
Autonomy	Up to 6 h
Traction motors	4 x 500 W with brake
Kinematics	Omnidirectional
Localization system	SLAM
Temperature range	0°C to + 50°C
Max. slope	15 %

CONTROL

Controller	ROS Architecture
Communication	WiFi 802.11 b/g/n/ac Bluetooth 4.0
Connectivity	USB x3 Ethernet x2 HDMI x1 DC Power Output

BLUEPRINTS

