



AUTONOMOUS MOBILE ROBOT (AMR)

RB-KAIROS

READY TO INTEGRATE A
UNIVERSAL ROBOTS eSERIES ARM
(URe5 / URe10 / URe16)

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

OPTIONAL COMPONENTS

- Mecanum strong wheels (Payload 250 kgs)
- 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 |
| Traction system | 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

