

AUTONOMOUS MOBILE ROBOT (AMR)

RB-FIQUS

HIGH LOAD HIGH MOBILITY

OMNIDIRECTIONAL OUTDOOR AMR
(AUTONOMOUS MOBILE ROBOT)

-  DEVELOPMENT OF OUTDOOR APPLICATIONS
-  AGRICULTURE
-  INDUSTRY
-  SECURITY AND DEFENCE
-  MOBILE MANIPULATION OF HEAVY LOADS



RB-FIQUS



UP TO 1.000 KG
OF PAYLOAD



OUTDOOR
ENVIRONMENTS



UP TO 10 H.
OF AUTONOMY



REMOTE
TURN ON/OFF

Dimensions (mm)	1.805 x 1.610 x 743
Weight (kg)	450
Payload (kg)	1.000
Speed (m/s)	1
Environment	Indoor / Outdoor
Enclosure class	IP42
Autonomy (h)	10
Traction motors (W)	4 x 750 with brake
Traction systems	Omnidirectional
Localization system	SLAM / GPS
Temperature range (°C)	-10° to +45°
Max. Slope (%)	20
Controller	ROS 2 Architecture
WiFi	WiFi 802.11 b/g/n/ac
Bluetooth	5.1
Connectivity	USB, Ethernet, HDMI
Power outputs	12V, 24V, VBATT

RB-FIQUS is a general-purpose mobile robot ideal for outdoor applications in areas such as agriculture, industry, defense, security, or inspection. It supports up to 1,000 kg and features a modular architecture that allows the integration of UR20 or UR30 robotic arms, among others. Its three interchangeable* modular batteries provide extended autonomy in outdoor environments without the need for charging stations.

INCLUDED COMPONENTS

- CPU i7
- 3x Batteries 48VDC@45Ah (Interchangeable)*
- 5G Router
- IMU
- RGBD camera
- Safety Pack 360°
 - » 2D Safety LiDARs + Safety PLC
- GPS

OPTIONAL COMPONENTS

- Base station GPS
- 3D LiDAR Robosense Airy
- 3D LiDAR Robosense RS-HELIOS 16P
- 3D SLAM Software Packages
- AI Computing Vision Package
 - » ZED camera and GPU
- HBC remote wireless emergency stop

