

RB-CAR



AUTONOMOUS URBAN ROBOT
FOR DEFINED ENVIRONMENTS

RESEARCH

TRANSPORT OF GOODS

TRANSPORT OF PEOPLE



TECHNICAL SPECIFICATIONS

MECHANICAL

Dimensions	2.600 x 1.250 x 1.740 mm
Weight with batteries	710 Kg
Payload	2 people + 200 Kg in the rear box
Speed	33 m/s
Autonomy	Up to 70 km
Temperature range	0° to +40°C
Max. slope	25 %
Batteries	LiFePO₄ 16Ah@3,3V
Traction motors	AC 3.3 kw
Traction system	Acherman, Rear Wheel drive

CONTROL

Controller	Open architecture ROS EMbedded PC with Linux
Communication	WiFi 802.11n
Connectivity	Internal: USB, RS232, RJ45, power supplies 5, 12 VDC, and battery Optional Remote Stop: safety RF emergency stop up to 90m