

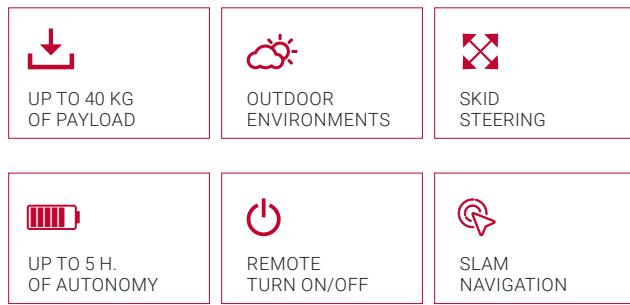
MOBILE MANIPULATOR ROBOT (MMR)

# RB-SUMMIT

MOBILE MANIPULATOR  
FOR **RESEARCH & DEVELOPMENT** RESEARCH & DEVELOPMENT AGRICULTURE CONSTRUCTION PICK & PLACE

# RB-SUMMIT+

**RB-SUMMIT+** is an autonomous mobile manipulator designed for research and development applications in both indoor and outdoor environments. It combines the mobility of the RB-SUMMIT platform with the flexibility of Kinova robotic arms, enabling precise handling of objects up to 4 kg. This versatile, modular solution is ideal for inspection, agriculture, pick & place or sorting and quality control.



## ARM OPTIONS



## INCLUDED COMPONENTS

- CPU i7
- Battery UN38.3 - 48VDC@15Ah
- 5G Router
- IMU
- RGBD camera
- Pack 2D LiDARS - 276°
- [Charging Station](#)

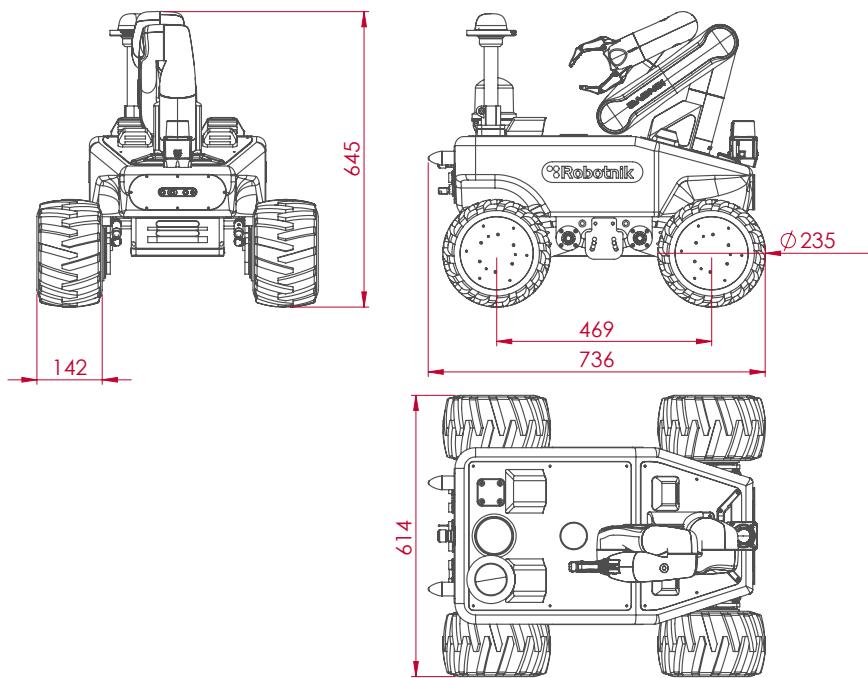
## OPTIONAL COMPONENTS

- GPS
- GPS + 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
- Robotiq 2F-85 gripper
- Robotiq 2F-140 gripper

Version	GEN 3 LITE	GEN 3 - 6 DOF	GEN 3 - 7 DOF
<b>Dimensions (mm)</b>	736 x 614 x 645	736 x 614 x 645	736 x 614 x 645
<b>Weight (kg)</b>	70	72	73
<b>Payload (kg)</b>	45	43	42
<b>Arm payload (kg)</b>	0,5	4	4
<b>Arm reach (mm)</b>	760	891	902
<b>Arm weight (kg)</b>	5,5	7,2	8,2
<b>Speed (m/s)</b>	2,5	2,5	2,5
<b>Environment</b>	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
<b>Enclosure class</b>	IP22	IP22	IP22
<b>Autonomy (h)</b>	5	5	5
<b>Traction Motors (W)</b>	4 x 500 with brake	4 x 500 with brake	4 x 500 with brake
<b>Traction systems</b>	Skid steering	Skid steering	Skid steering
<b>Localization system</b>	SLAM	SLAM	SLAM
<b>Temperature range (°C)</b>	-10° to +45°	-10° to +45°	-10° to +45°
<b>Max. Slope (%)</b>	80	80	80
<b>Controller</b>	ROS 2 Architecture	ROS 2 Architecture	ROS 2 Architecture
<b>WiFi</b>	WiFi 802.11 b/g/n/ac	WiFi 802.11 b/g/n/ac	WiFi 802.11 b/g/n/ac
<b>Bluethooth</b>	4.0	4.0	4.0
<b>Connectivity</b>	USB, Ethernet, HDMI	USB, Ethernet, HDMI	USB, Ethernet, HDMI
<b>Power outputs</b>	5V, 12V, VBATT	5V, 12V, VBATT	5V, 12V, VBATT

# RB-SUMMIT+

GEN 3 LITE



# RB-SUMMIT+

GEN 3 - 6/7 DOF

