

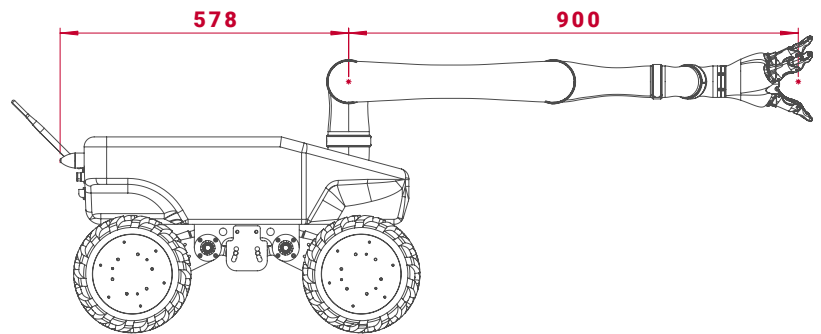
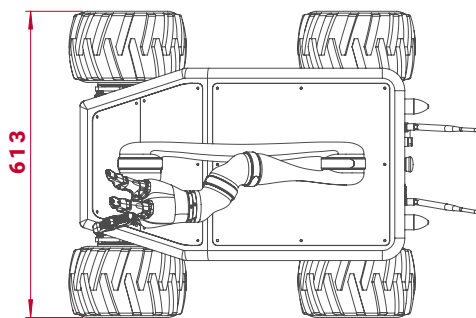
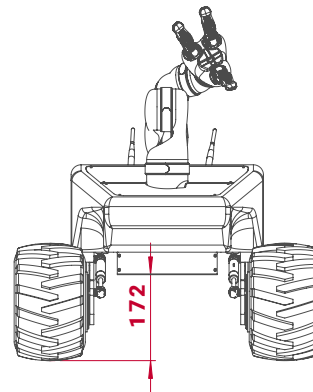
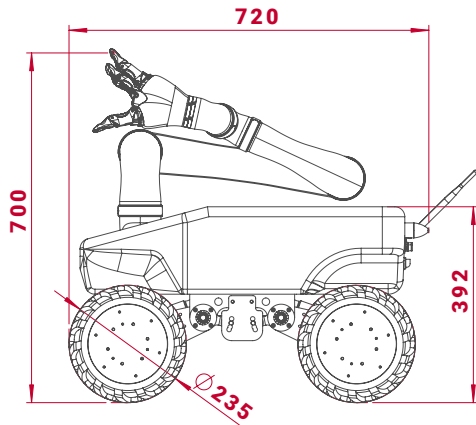
XL-GEN



MOBILE MANIPULATOR
FORMED BY
**THE SUMMIT XL & KINOVA
ULTRA LIGHTWEIGHT ROBOT ARM**

RESEARCH
INSPECTION
MEDICINE
LOGISTICS
REMOTE MONITORING
ACCESS TO HARSH ENVIRONMENTS





TECHNICAL SPECIFICATIONS

MECHANICAL

Dimensions **700 x 613 x 392 mm**
(Folder)
1.478 x 613 x 392 mm
(Spread out)

Weight **50 Kg**

Payload **15 kg**

Speed **3 m/s**

Enclosure class **IP54**

Autonomy **5-10 h**

Batteries **LiFePO₄ 15Ah@24V**

Traction system **4 wheels**

Traction motors **4 x 250 W**
brushless servomotors

Temperature range **0° to +50°C**

Max. slope **80 %**

CONTROL

Controller **Open architecture ROS**
Embedded PC with Linux
(Intel BayTrail J1900 or similar)
Intel i7 option available

Communication **WiFi 802.11n**

Connectivity **Internal: USB, RS232 and GPIO**
External: USB, RJ45 and power
supply 12 VDC

Arm load capacity

6 DOF **2,6 Kg (Half range)**
2,2 Kg (Complete Range)

4 DOF **4,4 Kg (Half range)**
3,5 Kg (Complete Range)

7 DOF **2,4 Kg (Half range)**
2,1 Kg (Complete Range)