**Мобилен робот с механум колела**

**link github:** [**https://github.com/ToniTonagata/ROBOTIKAAU**](https://github.com/ToniTonagata/ROBOTIKAAU)

Table

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<https://www.aliexpress.com/item/32956870227.html>

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Diagram

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Tutorial for rosserial & stm32:

<https://www.youtube.com/watch?v=cq0HmKrIOt8&ab_channel=LearnembeddedsystemswithGeorge>

**​Electronic control delivery list:**

* STM32F103RC controller (integrated with IMU CAN, etc.)\*1
* Dual high current MOS drive \*2
* Power adapter board\*1
* OLED display\*1
* SAH 22.2V lithium battery\*1
* Protected lithium battery charger\*1
* PS2 wired controller and receiver \*1
* Data download line\*1
* Cable \*2

rp lidar: <https://github.com/husarion/rosbot_description>

hokuyo: <http://gazebosim.org/tutorials?tut=ros_gzplugins#GPULaser>