

This is a simple, programmable tracked mobile tank robot kit. The tracked mobile tank robot kit traverses over objects in its path and rough terrain. Use this kit as a stand-alone or combine it with other accessories making a more complex machine with more capabilities. The tracked mobile tank robot kit provides excellent stability, traction and low ground bearing pressures, enabling use in a wider range of applications.



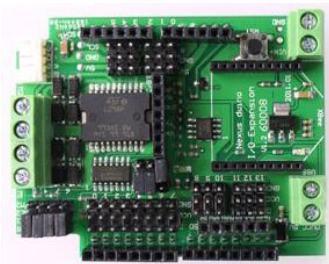
### **Specifications:**

- Dimension: 310 x 300 x 110mm
- Body Material: Aluminium Alloy
- Speed: 0.3m/s
- Motor Power: 30w
- Load Capacity: 20kg
- Motor type; 12V DC Motor
- Encoder Resolution: 512CPR
- Net weight: 5kg

### **Parts included**

- 12V DC Motor with encoder X 2
- Main board Maple STM 32 X 1
- Arduino IO Expansion X 1
- 12V NI-MH Battery X 1
- 12V Charger X 1

### **Parts Description**



Arduino IO Expansion is a sensor expansion board. The controller board is programmed from the PC in C, C++ programming language.



Main board Maple STM 32 is a microcontroller board. The USB port can be used for download of own programs and for transmitting data to the PC.



**DC Motor Specification:**

Voltage(VDC): 12V

Reduction Ratio: 1:30

No-Load Speed(Rpm): 168

Rated Speed(Rpm): 168

