

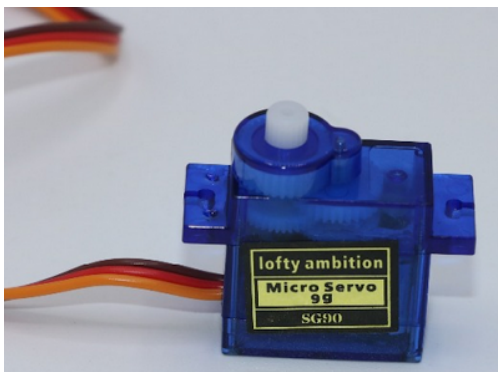


Search Aliexpress for hc-sr04. The detector should be abt \$1, and a plastic mounting bracket is abt 50c.

WorldChips

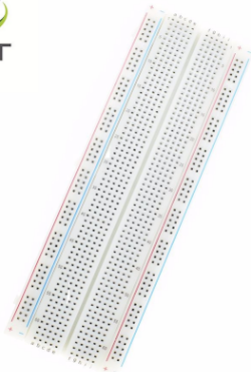


Search Aliexpress for "oled 0.96 i2c". It must have 4 pins, like as shown at top of this image. The 7-pin or 30-pin versions are not the right ones. Abt \$3.



Search for "rc servo micro 9g". Abt \$1.40. We want one servomotor to point our HC-SR04 sonar device. You might actually be able to use more than one servomotor. Eg Two movable "feelers" (like an insect) in front of your robot?

TZT



Search "breadboard solderless 830". Abt \$2.20.

You might decide this is too long for your robot platform. Perhaps you can use a couple of smaller ones. Stack them?



We need a dedicated battery for the various motors. Most wheel motors could run from 4.5 to maybe even 8 volts. Servomotors are rated 4.8V but usually accept 6V without going poof. So two options are a 4 cell AA battery holder (search "battery holder AA"), or a more expensive 5V lithium "power bank" as used for emergency smartphone recharging. (And if the power bank looks too cheap, it probably ships with no batteries!)



A few jumper wires if you haven't already got a supply. Commonly called "dupont" cables or wires. A mix of Male-male (used most) and F-F and M-F is useful. And how long do you want?

And the robot chassis itself? Go back to the earlier document