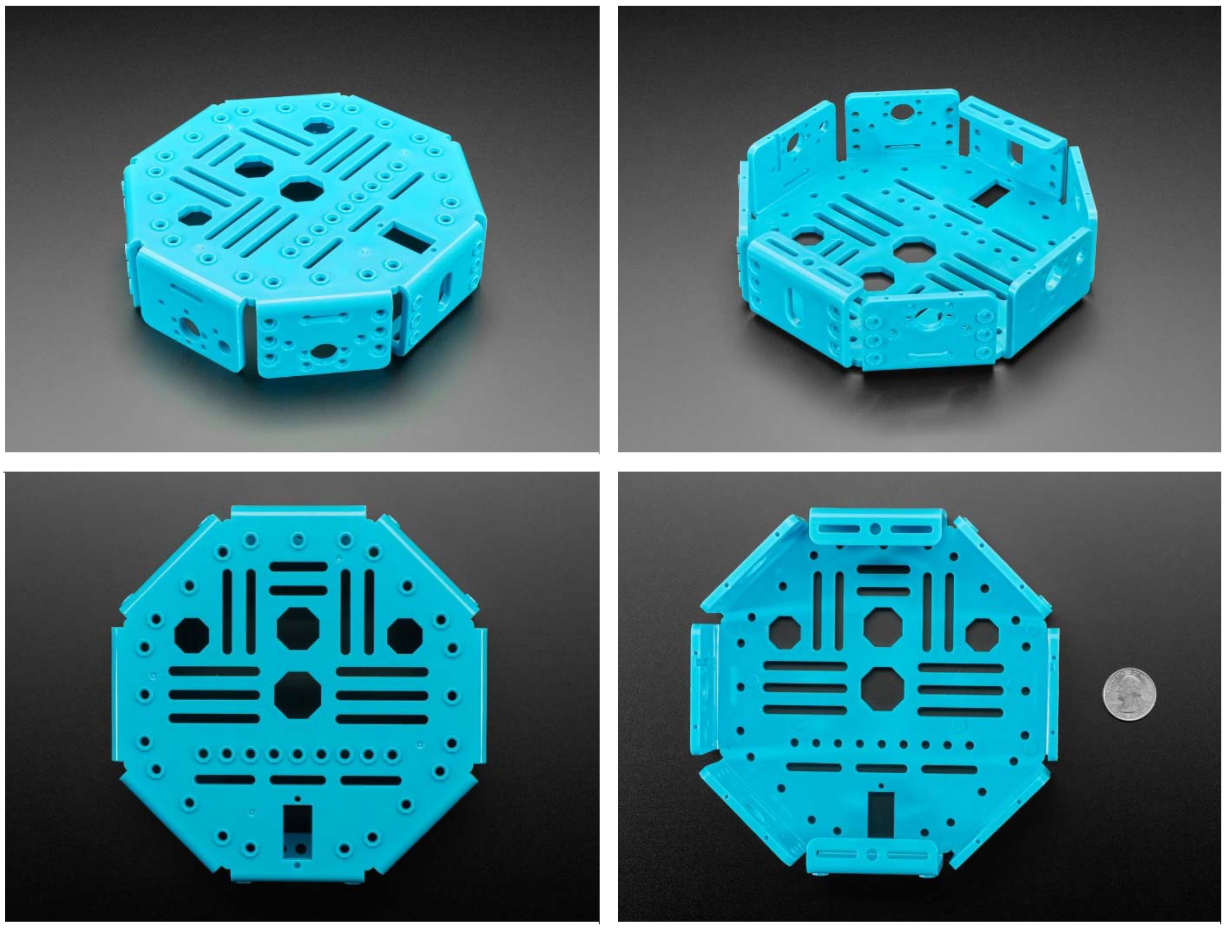


# Octagon Chassis Frame - Blue Plastic - 16cm x 16cm x 4cm

PRODUCT ID: 4466

This Blue Octagon Chassis makes for an excellent robot body that's easy to machine and modify. It's a single piece of 4mm thick plastic, with a variety of holes, slots and cutouts for mounting boards, sensors, and servos. The sides are notched to fit two DC Gear 'TT' motors - you'll want to get four M3 or 4-40 screws about 24mm/1.0" long to mount the motors. At either end you can screw on a ball caster. You can build a very sturdy (and quite handsome!) medium-sized robot rover with this frame.

- Can be used to build a 2-wheel robot
- Tons of mounting holes & slots!
- You can drill and cut plastic so it's easy to modify
- Top is nice and large, so it will fit a Crickit, Raspberry Pi, Jetson Nano...whatever you want!
- Won't crack or break if it falls down the stairs (alright, it happens)

Remember, this is just the plastic frame chassis! Motors, wheels, motor driver, microcontroller, etc are not included!

You'll probably want to also pick up the following to complete the robot body.

- Two DC Gearbox 'TT' Motors
- Two 'TT' Motor wheels (we have a range!)
- One 20mm Height Metal Caster Bearing Wheel

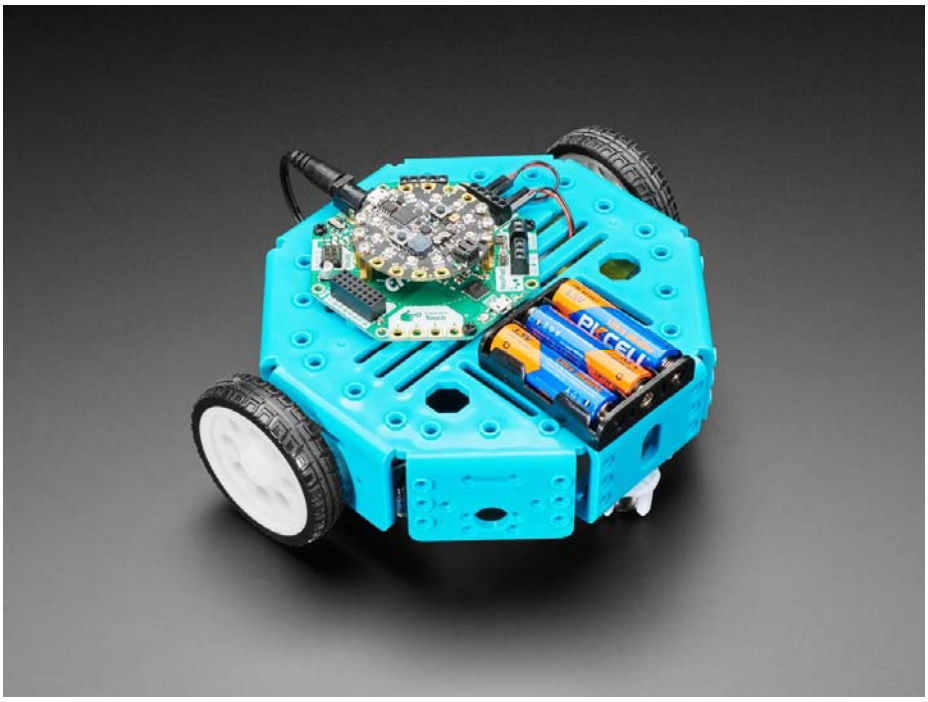
Then you will also need a microcontroller and motor driver that can drive the 5V DC motors. We recommend one of the following:

- Adafruit DC Motor & Stepper Shield for Arduino
- Adafruit DC Motor & Stepper FeatherWing
- Adafruit DC Motor & Stepper HAT for Raspberry Pi
- Adafruit TB6612 DC Motor driver (can drive two DC motors)
- Adafruit DRV8833 DC Motor driver (can drive two DC motors)
- Adafruit CRICKIT (we got various types)

A matching microcontroller or microcomputer is also required!

# TECHNICAL DETAILS

- Dimensions: ~16cm x 16cm x 4cm
- Weight: 130.5g



https://www.adafruit.com/product/4466/2-10-20