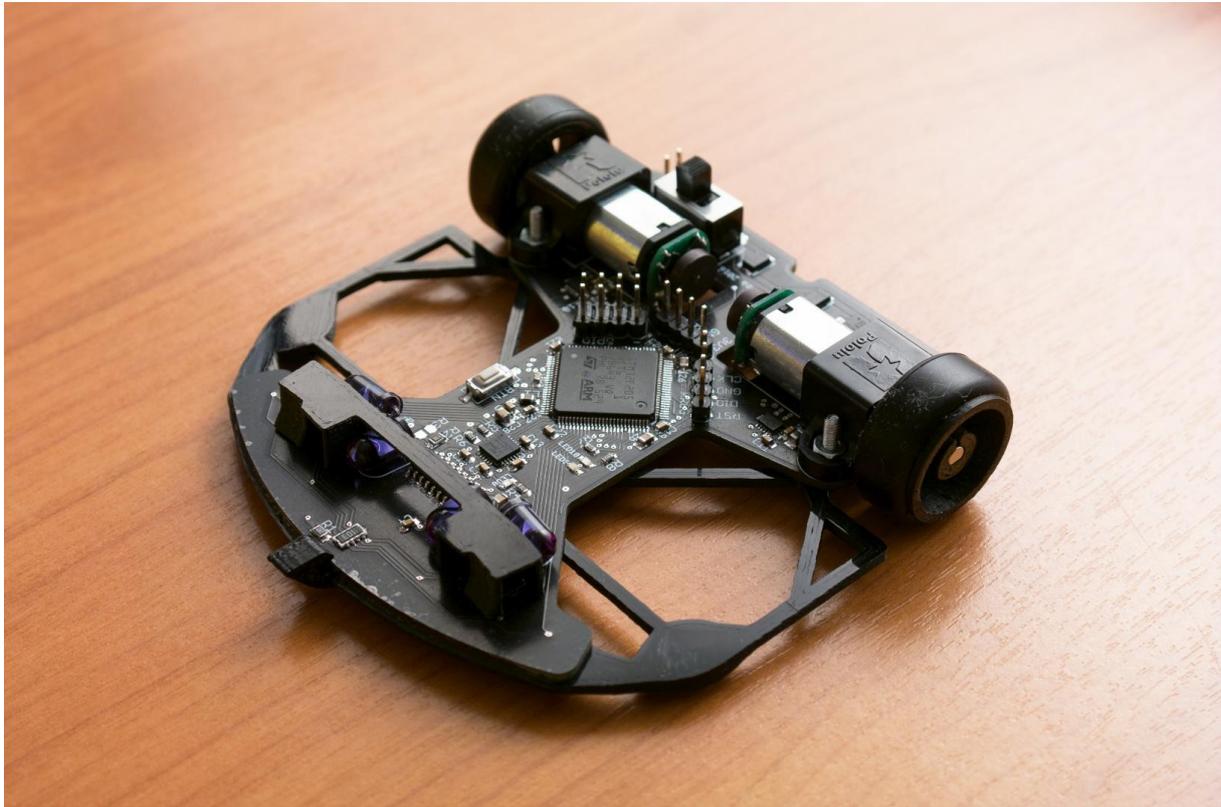


Nite 4 full description

Photography:



Specification:

- Processor: *STM32F205, 32-bit, ARM*
- Frequency: *120MHz*
- Memory: *100 kB RAM, 256 kB Flash*
- Sensors: *14x IR sensors for the line, 4x IR sensors for distance, 3-axis gyroscopic sensor, 3-axis accelerometer, 2x magnetic encoders, temperature sensor*
- Motors: *2x Pololu Micro Metal Gearmotor*
- Battery: *1x 7,4 V, 180 mAh LiPol*
- Programming language: *C*

Description:

A small universal robot designed to suit in various categories. It can compete in linefollower type categories, labyrinth type and similar. Its dual-sided black PCB holds all electronics and other components and is the main body part. There is also a 3D-printed plastic frame with multiple functions like light-shield or bumper. The robot has differential drive powered by two DC motors. It is programmed in C by using the ChibiOS operation system.