IOT RC CAR

The RC car system is visualized by the following diagram:

Afbeelding met tekst, diagram, schermopname, Plan

Automatisch gegenereerde beschrijving

The project has two subsystems. The controller subsystem and the car subsystem. Both utilize a PSOC. The subsystems communicate using Bluetooth low energy.

# Controller subsystem

The controller subsystem utilizes a PSoC 6 CY8CKIT-062-WIFI-BT. This subsystem controls the movement of the car. The input for this is a single joystick that is read out by the PSoC using the on board 12-bit ADC. The subsystem also has two seven segment displays to show the speed of the car. The joystick readout is sent via BLE to the car subsystem. The BLE communication is bidirectional so the controller also receives the speed of the car to display on the seven segment display.