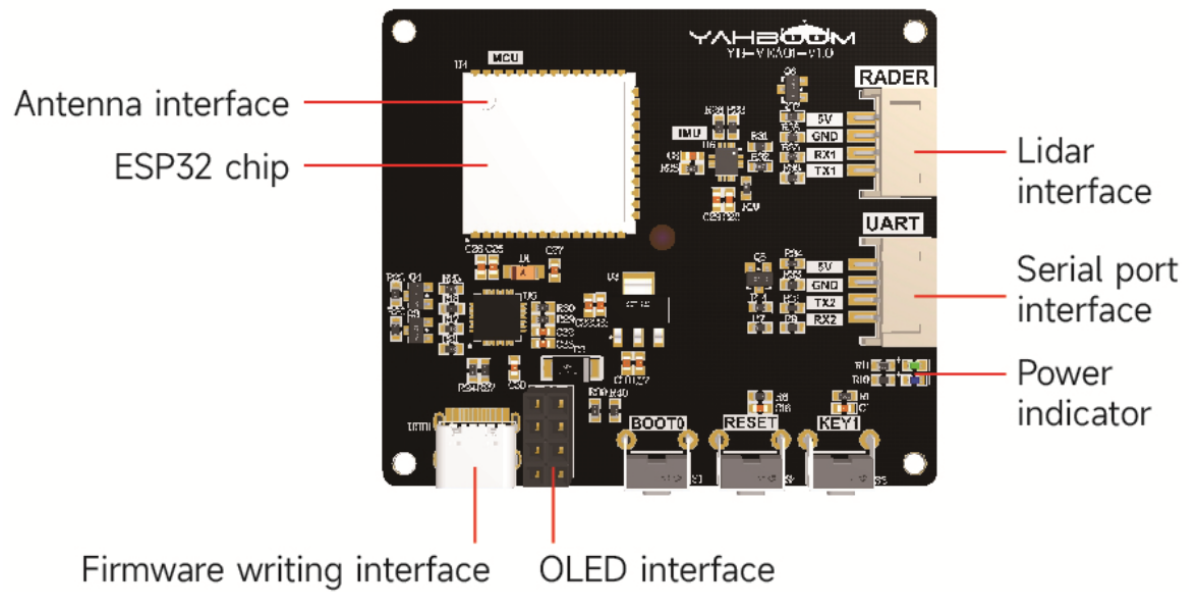
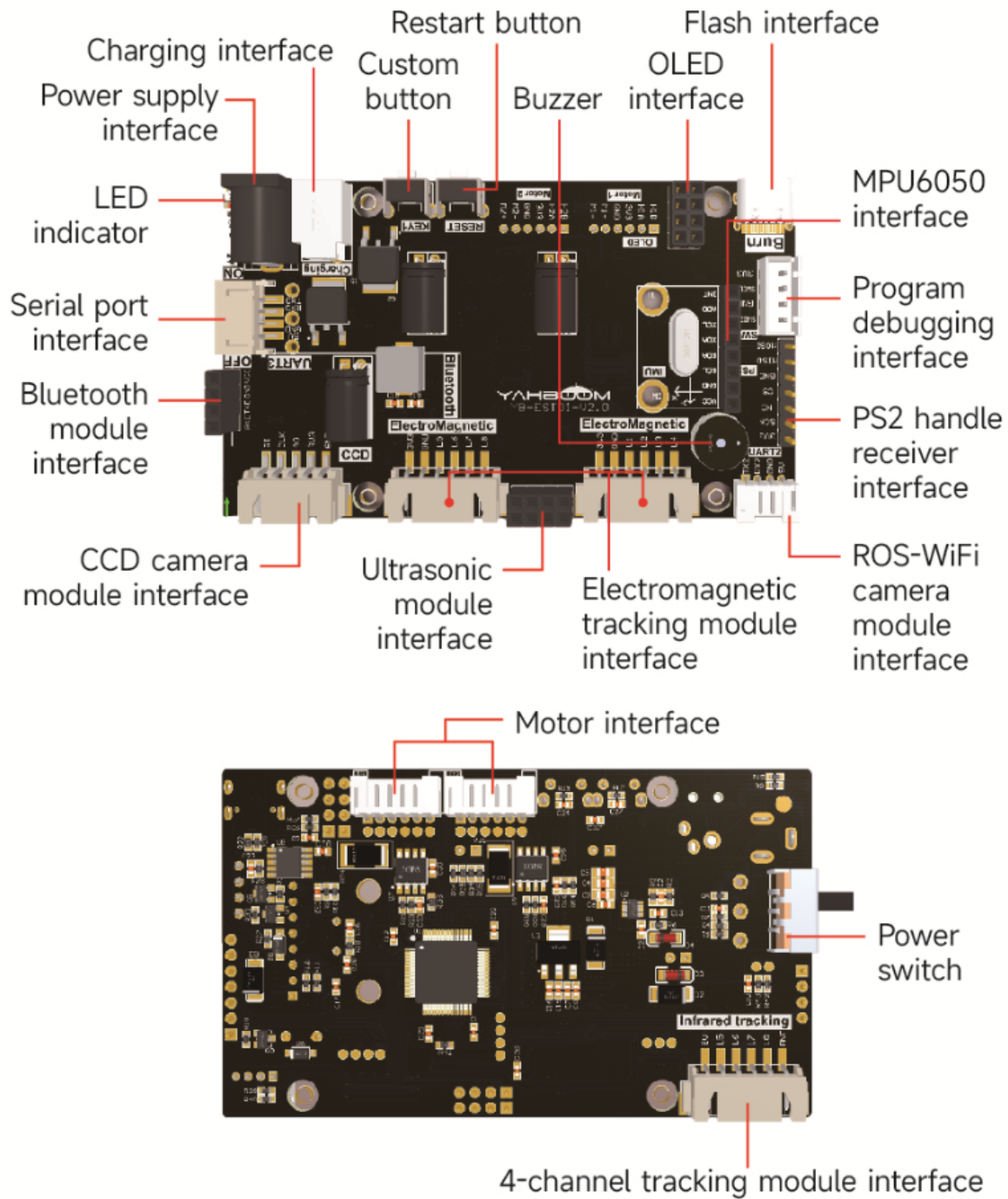


Balance car interface description

ESP32 communication board



STM32 control board



Description: The reserved interfaces of the development board can be connected to other peripherals, and you can configure them according to the schematic diagram

| Serial number | Interface | Description |
|---------------|-------------|--|
| 1 | DC5525 | DC power socket: 12V battery pack to power the development board |
| 2 | DC-023-165A | DC power socket: 12V battery pack charging interface |
| 3 | KEY1 | Custom button |
| 4 | RESET | Restart button |

| Serial number | Interface | Description |
|---------------|------------------|--|
| 5 | OLED | Reserved OLED display interface |
| 6 | Type-C | Program burning interface |
| 7 | SWD | Reserved program debugging interface |
| 8 | PS2 | Reserved 2.4G wireless controller interface |
| 9 | MPU6050 | Reserved MPU6050 interface |
| 10 | Buzzer | Onboard buzzer |
| 11 | UART2 | Reserved K210 vision module interface |
| 12 | ElectroMagnetic | Reserved electromagnetic patrol module interface |
| 13 | Ultrasonic | Reserved ultrasonic module interface |
| 14 | CCD | Reserved CCD camera interface |
| 15 | Bluetooth | Reserved Bluetooth module interface |
| 16 | UART3 | Reserved radar interface |
| 17 | LED | Onboard LED light |
| 18 | Motor | Reserved motor interface |
| 19 | InfraredTracking | Reserved four-way line patrol module interface |
| 20 | SS12D11 | Slide switch: development board power switch |

Expansion board wiring diagram

