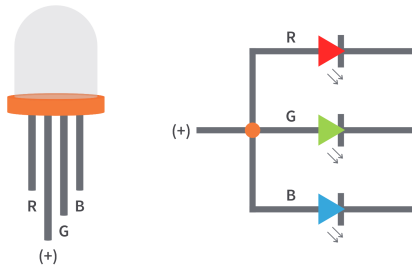


Hardware Requirements

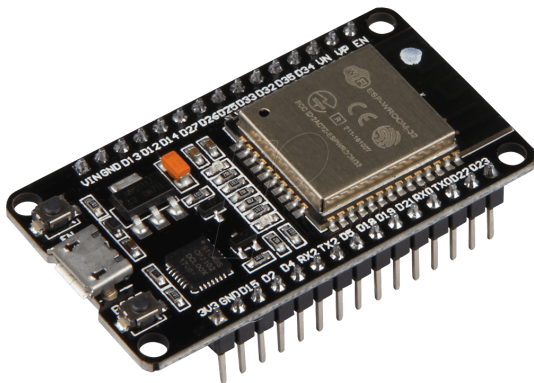
RGB LED: Only one RGB LED is enough to indicate Turning on, Turning off, pairing with a smartphone, taking the measurements, indicating if the battery is low when installing a software update functions.



Push-button: Push-button will be needed to turn on/off the device, to take the measurements



ESP32 microcontroller: The reason to use this specific microcontroller is it is so cheap, it has a built-in Bluetooth Modular



NIR Sensor (Qwiic AS726X): Low cost, uses I²C protocol, Low gate count, only need two pins to implement



Battery: LiPo Battery: No need for a voltage regulator, micro USB port to charge the battery

