

BILL OF MATERIALS

By Naveen PS



BOM

Component Name	Quantity	Buy Link (International)*
Raspberry Pi 4 Model B 1GB	2	https://www.amazon.com/Raspberry-Model-2019-Quad-Bluetooth/dp/B07TD43PDZ/
ESP32 Dev. Board	3	https://www.amazon.com/KeeYees-Development-Bluetooth-Microcontroller-ESP-WROOM-32/dp/B07QCP2451/
Power Bank	3	https://www.amazon.com/GETIHU-High-Speed-Pocket-Size-Powerbank-Flashlight/dp/B07CYNBNVW/
5V 3A Pi Power Supply	2	https://www.amazon.com/OKRAY-Charger-Portable-Charging-Compatible/dp/B07LBMLVQN/
USB C Cable	2	https://www.amazon.com/AmazonBasics-Type-C-USB-Male-Cable/dp/B01GGKYN0A/
Micro USB Cable	3	https://www.amazon.com/Amazon-Micro-USB-designed-tablets-readers/dp/B0741WGQ36/
32 GB Class 10 MicroSD	2	https://www.amazon.com/SanDisk-Ultra-microSDXC-Memory-Adapter/dp/B073JWXGNT/
Cooling case with Heatsink	1	https://www.amazon.com/iUniker-Raspberry-Aluminium-Heatsink-Supply/dp/B07D3S4KBK/
Multimeter	1	https://www.amazon.com/AstroAI-Digital-Multimeter-Voltage-Tester/dp/B01ISAMUA6
Breadboard	1	https://www.amazon.com/EL-CP-003-Breadboard-Solderless-Distribution-Connecting/dp/B01EV6LJ7G/
Soldering Iron Kit	1	https://www.amazon.com/BAYKA-482-896%E2%84%89%E2%84%83%E2%84%89%E2%84%83%E2%84%89-Adjustable-Temperature-Auto-Sleep/dp/B07R4SDSP8/
Hook Up and Jumper Wires **	1	https://www.amazon.com/AUSTOR-Preformed-Breadboard-Assorted-Prototyping/dp/B07PQKNQ22/
2 Channel Relay Module	1	https://www.amazon.com/SMAKN%C2%AE-Active-Channel-Arduino-Raspberry/dp/B00VH8926C/
DHT11	3	https://www.amazon.com/Temperature-Humidity-Sensor-Arduino-Raspberry/dp/B07T7ZR7MS/

Neo 6M GPS Module	1	https://www.amazon.com/HiLetgo-GY-NEO6MV2-Controller-Ceramic-Antenna/dp/B01D1D0F5M/
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**Check with your domestic online electronic stores before ordering from global online stores. You might get the components more quickly if ordered from domestic sellers. Also, these links might render useless if the seller removes the item from the online shop.*

***These are cheaper when ordered in bulk, and you will be needing extra components for the later sections.*