

BILL OF MATERIALS

By Naveen PS



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Component Name	Quantity	Purchase Link(International Link*)
Raspberry Pi 4 Model B 1GB	1	https://www.amazon.com/Raspberry-Model-2019-Quad-Bluetooth/dp/B07TD43PDZ/
ESP32 Dev. Board	4	https://www.amazon.com/KeeYees-Development-Bluetooth-Microcontroller-ESP-WROOM-32/dp/B07QCP2451/
XBee S2C Module	4	https://www.amazon.com/XBee-2mW-Wire-Antenna-ZigBee/dp/B007R9U1QA/
5V 3A Pi Power Supply	1	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	1	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	4	https://www.amazon.com/EL-CP-003-Breadboard-Solderless-Distribution-Connecting/dp/B01EV6LJ7G/

Hook Up and Jumper Wires Kit**	1	https://www.amazon.com/AUSTOR-Preformed-Breadboard-Assorted-Prototyping/dp/B07PQKNQ22/
2 Channel Relay Module	1	https://www.amazon.com/SMACKN%C2%AE-Active-Channel-Arduino-Raspberry/dp/B00VH8926C/
DHT11	1	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/
Resistor Kit**	1	https://www.amazon.com/Elegoo-Values-Resistor-Assortment-Compliant/dp/B072BL2VX1/
Beeper kit**	1	https://www.amazon.com/Cylewet-Terminals-Electronic-Electromagnetic-Impedance/dp/B01NCOXB2Q/
LEDs kit**	1	https://www.amazon.com/Lights-Emitting-Assortment-Arduino-300-Pack/dp/B00UWBJM0Q/
PIR Sensor	1	https://www.amazon.com/HC-SR501-Sensor-Infrared-Arduino-Raspberry/dp/B07KBWVJMP/
Flame Sensor	1	https://www.amazon.com/uxcell-Detector-Temperature-Detecting-Arduino/dp/B07QSJK4JL/
XBee Breakout Board	4	https://www.amazon.com/Breakout-Board-for-XBee-Module/dp/B00GDUNY2M/
XBee USB Adapter	2	https://www.amazon.com/XBee-USB-Adapter-Communication-Interface/dp/B07NYFBDCG/
MB102 Breadboard Power supply kit**	1	https://www.amazon.com/HiLetgo-Supply-Module-Prototype-Breadboard/dp/B00HJ6AE72/

16x2 I2C LCD	3	https://www.amazon.com/SunFounder-Serial-Module-Display-Arduino/dp/B019K5X53O/
Door Sensor	1	https://www.amazon.com/Gikfun-Sensor-Magnetic-Switch-Arduino/dp/B0154PTDFI/

*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.

THE END