


Materials Required

S.N.	Materials	Quantity	Price per piece	Total
1	ESP32	1	900	900
2	DS18B20	1	300	300
3	Relay Module	1	120	120
4	ZMPT101B	3	450	1350
			Grand Total	2670

1. ESP 32



ESP32 WROOM WiFi and Bluetooth Development Board USB Type-C

★★★★★ 0 customer reviews | Add a review

Esp32wroom is a small-sized ESP32-based chip microcontrollers with integrated Wi-Fi & dual-mode Bluetooth. Its application are Universal low power IoT sensor hub, Home automation, Universal low power IoT recorder, Baby monitor, Smart socket, Sensor network and many more. It has on-board PCB antenna with high level of integration and ultra low power management.


In Category: [Esp](#)


NRS 900.00

Availability: Out Of Stock


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2. DS18B20



DS 18B20 Water Proof Sensor temperature sensor

★★★★★ 0 customer reviews | Add a review

The DS18B20 Water-Proof Temperature Sensor Probe is a sealed (waterproof) and pre-wired digital temperature probe, based on DS18B20 and 1-wire digital temperature sensor from Maxim IC. It is very useful to measure temperature far away or in wet conditions. It has various features like: - Stainless steel tube of 6 mm diameter and 30 mm by length, Contains DS18B20 temperature sensor, 9 to 12 bit selectable resolution function, Unique 64 bit ID burned into chip, Multiple sensors can share one pin, Temperature limit alarm system, Query time is less than 750ms and many more. It can be suitable for various applications such as: - HVAC environmental controls, Sensing temperatures inside buildings, Equipment or machinery, and process monitoring and control etc.

In Category: [Sensors](#) [Humidity](#)

NRS 300.00

3. Relay Module



Himalayan Solution

1 Channel Relay Module Compatible With Arduino

★★★★★ 0 customer reviews | Add a review

Features

- 5V relay can be used as a microcontroller development board module can be used as a home appliance control
- 5 V-5v TTL control signals
- control DC or AC signal can control the 220V AC load
- the increase in transistor drive a relay coil, control pins high impedance
- the control pins with pull-down circuit, prevent floating relay malfunction
- high quality, pin colors (black, yellow) were shipped
- blue KFB01 terminal control measure and easy to wire
- 4 positioning screw hole diameter 3mm center hole spacing of 20mm x 40mm
- compact circuit board

Package Includes:

- 1 x 5V 10A 1 Channel Relay Module compatible with Arduino

In Category: [Basic Electronics Components](#) [Relay](#) [modules](#)

NRS 120.00

4. AC Voltage sensor



Himalayan Solution

AC Voltage Sensor Module ZMPT101B (Single Phase)

★★★★★ 0 customer reviews | Add a review

AC Voltage Sensor Module ZMPT101B (Single Phase) is the best for the purpose of the DIY project, where we need to measure the accurate AC voltage with a voltage transformer. This is an ideal choice to measure the AC voltage using Arduino/ESP8266/Raspberry Pi like an opensource platform. In many electrical projects, engineer directly deals with measurements with few basic requirements like High galvanic isolation, Wide Range, High accuracy, Good Consistency.

Onboard precision miniature voltage transformer, The active phase AC output voltage transformer module. Onboard precision op-amp circuit, the signal sampling and appropriate compensation for precise functions. Modules can be measured within 250V AC voltage, the corresponding analog output can be adjusted. It is brand new, good quality high performance.

In Category:

NRS-500-00 **NRS 450.00**

Availability: In Stock