

Part	Qty	Unit Price (£'s)	Cost (£'s)	Supplier	Comments
0.96" OLED 128x64 Display I2C	1	£2.96	£2.96	Amazon	Can be re-used on other projects
1N4006 Rectifier Diode 800V	1	£0.14	£0.14	ebay	Sunk cost
2mm x 10mm Miniature Steel Pozi Screws (silver x 100)	1	£0.03	£0.03	Amazon	Can be re-used on other projects
6mm Conductive Copper Foil Tape	1	£5.67	£0.03	ebay	Sunk cost - cost per cm
Batteries 18650 Lithium 3.7v 3000mAh	1	£3.25	£3.25	ebay	Can be re-used on other projects
Battery 18650 spring contacts, sourcing map	2	£0.31	£0.62	Amazon	Sunk cost - cost per cm
Button Switch 6x6x5mm	1	£0.02	£0.02	ebay	Sunk cost
ESP8266 NodeMCU CP2102 MakerHawk	1	£4.00	£4.00	Amazon	Can be re-used on other projects
M3 x 30mm Nylon C-Sunk screws	4	£0.07	£0.27	RS Components	Can be re-used on other projects
M4 x 25mm Nylon countersunk screws	4	£0.10	£0.38	RS Components	Can be re-used on other projects
Mini Micro Button Switch	2	£0.01	£0.02	ebay	Sunk cost
MPU-6050 3-axis accelerometer	1	£0.99	£0.99	ebay	Can be re-used on other projects
PCA9685 16-channel driver board	1	£4.70	£4.70	ebay	Can be re-used on other projects
Pin Header Strips Female 1 x 40	1	£0.28	£0.01	ebay	Sunk cost
Pin Header Strips Male 1 x 40	1	£0.99	£0.02	ebay	Sunk cost
Resistors 1/4 W	1	£0.03	£0.03	RS Components	Sunk cost
Rubber feet, black, 25 x 15mm	4	£6.58	£26.32	Amazon	Can be re-used on other projects
Servo Motor MG90D Metal Gear Digital	1	£4.65	£4.65	HobbyKing	Can be re-used on other projects
Servo Motor MG996R Metal Gear Digital	12	£3.97	£47.64	ebay	Can be re-used on other projects
Toggle Switch SPDT 5A@250 AC	2	£0.95	£1.90	RS Components	Can be re-used on other projects
VL53L0X time of flight laser range finder	1	£3.95	£3.95	ebay	Can be re-used on other projects
WS2812B RGB LED	7	£0.19	£1.33	Amazon	Sunk cost
1.75mm PLA Filament 1kg reel	0.6	£21.00	£12.60	ebay	Sunk cost
No More Nails Glue	1	£1.00	£1.00	Wilko	Sunk cost
		Total:	£113.90		
		Re-use:	£101.07		Can be re-used on other projects
		Sunk:	£15.79		Sunk cost

**Notes:**

Prices are indicative. Bulk purchases may be required to achieve figures. ie. LEDs, screws, etc

Rechargeable batteries will require a charger; not included

Consumables like solder, flux, hook-up wire, etc are not included here, but are needed.

3-D printer is an estimate, but 1kg reel will do the job.