

| Components                      | Cost (\$) | Weight (g) | Power Consumption (W) | Links   |
|---------------------------------|-----------|------------|-----------------------|---|
| PCB Board                       | 5         | 12         |                       |   |
| LEDs (x6)                       | 3.3       | 3          | 0.396                 | <a href="https://www.mouser.com/ProductDetail/SparkFun/COM-11372?qs=WyAAyRnSnaChvLkQy1O%3D%3D&amp;mgh=1&amp;srsltid=AfmBOoC4y1vGMI0oIarNgslrBga0BgXUdAok7PmbhoPnIk7Mh4TlqGt1=">https://www.mouser.com/ProductDetail/SparkFun/COM-11372?qs=WyAAyRnSnaChvLkQy1O%3D%3D&amp;mgh=1&amp;srsltid=AfmBOoC4y1vGMI0oIarNgslrBga0BgXUdAok7PmbhoPnIk7Mh4TlqGt1=</a>   |
| 330 Ohm Resistors (x6)          | 0.6       | 1.2        |                       |   |
| Humidity Sensor (SEN - 05669)   | 20.5      | 0.861      | 0.0109                | <a href="https://www.digkey.com/en/products/detail/sparfun-electronics-sen-05669-5318752">https://www.digkey.com/en/products/detail/sparfun-electronics-sen-05669-5318752</a>   |
| Pressure Sensor (15PMAA5)       | 37.47     | 1          | 0.0085                | <a href="https://www.digkey.com/en/products/detail/honeywell-sensing-and-protection-solutions/HSCDANNO15PMAA524160187?dc=raw&amp;ds&amp;utm_adgroup=&amp;utm_source=google&amp;utm_medium=&amp;utm_campaign=PMax%20Shopping_Product_High%20ROAS%20Categories&amp;utm_term=&amp;utm_content=&amp;utm_id=go-cmp-20222717502_adg-_dev-c_ext-pd-24160187_sig-CQKQwCvS">https://www.digkey.com/en/products/detail/honeywell-sensing-and-protection-solutions/HSCDANNO15PMAA524160187?dc=raw&amp;ds&amp;utm_adgroup=&amp;utm_source=google&amp;utm_medium=&amp;utm_campaign=PMax%20Shopping_Product_High%20ROAS%20Categories&amp;utm_term=&amp;utm_content=&amp;utm_id=go-cmp-20222717502_adg-_dev-c_ext-pd-24160187_sig-CQKQwCvS</a> |
| Temperature Sensor (TMP36) (x2) | 3.2       | 6          | 0.0035                | <a href="https://www.sparkfun.com/temperature-sensor-tmp36.html">https://www.sparkfun.com/temperature-sensor-tmp36.html</a>   |
| Micro SD Card Opentag           | 17.5      | 1.5        | 0.0045                | <a href="https://www.sparkfun.com/sparkfun-opentag-with-breaders.html">https://www.sparkfun.com/sparkfun-opentag-with-breaders.html</a>   |
| Accelerometer (SEN - 05668)     | 16.95     | 4.5        | 0.0093                | <a href="https://www.sparkfun.com/sparkfun-ilogite-aya-accelerometer-breakout-adv335.html">https://www.sparkfun.com/sparkfun-ilogite-aya-accelerometer-breakout-adv335.html</a>   |
| Arduino Board                   | 20        | 25         | 0.25                  | <a href="https://www.digkey.com/en/products/detail/arduino/Arduino008020371542?dc=raw&amp;ds&amp;utm_adgroup=&amp;utm_source=google&amp;utm_medium=&amp;utm_campaign=PMax%20Shopping_Product_Low%20ROAS%20Categories&amp;utm_term=&amp;utm_id=go-cmp-20243063506_adg-_dev-c_ext-pd-20371542_sig-CQKQwCvS-BhDGAIRiaBq4_j14H5aTt1Vz0teN8ab">https://www.digkey.com/en/products/detail/arduino/Arduino008020371542?dc=raw&amp;ds&amp;utm_adgroup=&amp;utm_source=google&amp;utm_medium=&amp;utm_campaign=PMax%20Shopping_Product_Low%20ROAS%20Categories&amp;utm_term=&amp;utm_id=go-cmp-20243063506_adg-_dev-c_ext-pd-20371542_sig-CQKQwCvS-BhDGAIRiaBq4_j14H5aTt1Vz0teN8ab</a>   |
| 3 Pin Socket Header (x2)        | 0.62      | 1.5        |                       | <a href="https://www.digkey.com/en/products/detail/elektor/ELK130061182116680482?dc=raw&amp;ds&amp;utm_adgroup=&amp;utm_source=google&amp;utm_medium=&amp;utm_campaign=PMax%20Supplier_W%3C%3Bcrb%20Electronics&amp;utm_term=&amp;utm_content=&amp;utm_id=go-cmp-19901779114_adg-_dev-c_ext-pd-16680482_sig-CQKQwCvS-BhDGAIRiaBq4_j0h4JtFV1Si0RYSB">https://www.digkey.com/en/products/detail/elektor/ELK130061182116680482?dc=raw&amp;ds&amp;utm_adgroup=&amp;utm_source=google&amp;utm_medium=&amp;utm_campaign=PMax%20Supplier_W%3C%3Bcrb%20Electronics&amp;utm_term=&amp;utm_content=&amp;utm_id=go-cmp-19901779114_adg-_dev-c_ext-pd-16680482_sig-CQKQwCvS-BhDGAIRiaBq4_j0h4JtFV1Si0RYSB</a>                               |
| 3 Pin Socket Header (x2)        | 0.21      | 0.75       |                       | <a href="https://www.digkey.com/en/products/detail/adam-tech/RS1-03-95832055?dc=raw&amp;ds&amp;utm_adgroup=&amp;utm_source=google&amp;utm_medium=&amp;utm_campaign=PMax_Product_Connectors%20%20Interconnects&amp;utm_term=&amp;utm_content=&amp;utm_id=go-cmp-20461032180_adg-_dev-c_ext-pd-95832055_sig-CQKQwCvS-BhDGAIRiaBq4_I0N0H0DIL_R0yWz8aT28TfUtlN">https://www.digkey.com/en/products/detail/adam-tech/RS1-03-95832055?dc=raw&amp;ds&amp;utm_adgroup=&amp;utm_source=google&amp;utm_medium=&amp;utm_campaign=PMax_Product_Connectors%20%20Interconnects&amp;utm_term=&amp;utm_content=&amp;utm_id=go-cmp-20461032180_adg-_dev-c_ext-pd-95832055_sig-CQKQwCvS-BhDGAIRiaBq4_I0N0H0DIL_R0yWz8aT28TfUtlN</a>               |
| 16 Pin Headers                  | 0.87      | 4          |                       | <a href="https://www.digkey.com/en/products/detail/elektor/ELK101611121464854?dc=raw&amp;ds&amp;utm_adgroup=&amp;utm_source=google&amp;utm_medium=&amp;utm_campaign=PMax%20Supplier_W%3C%3Bcrb%20Electronics&amp;utm_term=&amp;utm_content=&amp;utm_id=go-cmp-199016779114_adg-_dev-c_ext-pd-444854_sig-CQKQwCvS-BhDGAIRiaBq4_I3DCLD46R4Rmtpg5d0t">https://www.digkey.com/en/products/detail/elektor/ELK101611121464854?dc=raw&amp;ds&amp;utm_adgroup=&amp;utm_source=google&amp;utm_medium=&amp;utm_campaign=PMax%20Supplier_W%3C%3Bcrb%20Electronics&amp;utm_term=&amp;utm_content=&amp;utm_id=go-cmp-199016779114_adg-_dev-c_ext-pd-444854_sig-CQKQwCvS-BhDGAIRiaBq4_I3DCLD46R4Rmtpg5d0t</a>                                 |
| DIP Socket                      | 0.22      | 1          |                       | <a href="https://www.digkey.com/en/products/detail/elektor/elektor-connectivity-amp-connectors/1-219928-250220397?dc=raw&amp;ds&amp;utm_adgroup=&amp;utm_source=google&amp;utm_medium=&amp;utm_campaign=PMax%20Supplier&amp;utm_term=&amp;utm_content=&amp;utm_id=go-cmp-50220397_adg-_dev-c_ext-pd-50220397_sig-CQKQwCvS-BhDGAIRiaBq4_j3yab6PChQvXONVY0">https://www.digkey.com/en/products/detail/elektor/elektor-connectivity-amp-connectors/1-219928-250220397?dc=raw&amp;ds&amp;utm_adgroup=&amp;utm_source=google&amp;utm_medium=&amp;utm_campaign=PMax%20Supplier&amp;utm_term=&amp;utm_content=&amp;utm_id=go-cmp-50220397_adg-_dev-c_ext-pd-50220397_sig-CQKQwCvS-BhDGAIRiaBq4_j3yab6PChQvXONVY0</a>                   |
| 6 Pin Stock Plug Header (x2)    | 1.38      | 1.8        |                       | <a href="https://www.mouser.com/ProductDetail/SparkFun/FPR109280?qs=WyAAyRnSnaChvLkQy1O%3D%3D&amp;mgh=1&amp;srsltid=AfmBOoC4y1vGMI0oIarNgslrBga0BgXUdAok7PmbhoPnIk7Mh4TlqGt1=">https://www.mouser.com/ProductDetail/SparkFun/FPR109280?qs=WyAAyRnSnaChvLkQy1O%3D%3D&amp;mgh=1&amp;srsltid=AfmBOoC4y1vGMI0oIarNgslrBga0BgXUdAok7PmbhoPnIk7Mh4TlqGt1=</a>   |
| 6 Pin Stock Plug Header (x2)    | 1.02      | 2          |                       | <a href="https://www.mikro.cc/en-us/devices/bread-2">https://www.mikro.cc/en-us/devices/bread-2</a>   |
| 9 Battery                       | 4.46      | 4.5        |                       | <a href="https://www.digkey.com/en/products/detail/raicel/industrial-operations/09V-2125995?dc=raw&amp;ds&amp;utm_adgroup=&amp;utm_source=google&amp;utm_medium=&amp;utm_campaign=PMax%20Shopping_Product_Low%20ROAS%20Categories&amp;utm_term=&amp;utm_content=&amp;utm_id=go-cmp-20243063506_adg-_dev-c_ext-pd-2125995_sig-CQKQwCvS-BhDGAIRiaBq4_I0J6Uml">https://www.digkey.com/en/products/detail/raicel/industrial-operations/09V-2125995?dc=raw&amp;ds&amp;utm_adgroup=&amp;utm_source=google&amp;utm_medium=&amp;utm_campaign=PMax%20Shopping_Product_Low%20ROAS%20Categories&amp;utm_term=&amp;utm_content=&amp;utm_id=go-cmp-20243063506_adg-_dev-c_ext-pd-2125995_sig-CQKQwCvS-BhDGAIRiaBq4_I0J6Uml</a>               |
| Router Switch                   | 0.71      | 2          |                       | <a href="https://www.digkey.com/en/products/detail/switch/RA11131291778055?dc=raw&amp;ds&amp;utm_adgroup=&amp;utm_source=google&amp;utm_medium=&amp;utm_campaign=PMax%20Shopping_Product_Low%20ROAS%20Categories&amp;utm_term=&amp;utm_content=&amp;utm_id=go-cmp-20243063506_adg-_dev-c_ext-pd-3778055_sig-CQKQwCvS-BhDGAIRiaBq4_I3P2dAm4Rm5oFvTx">https://www.digkey.com/en/products/detail/switch/RA11131291778055?dc=raw&amp;ds&amp;utm_adgroup=&amp;utm_source=google&amp;utm_medium=&amp;utm_campaign=PMax%20Shopping_Product_Low%20ROAS%20Categories&amp;utm_term=&amp;utm_content=&amp;utm_id=go-cmp-20243063506_adg-_dev-c_ext-pd-3778055_sig-CQKQwCvS-BhDGAIRiaBq4_I3P2dAm4Rm5oFvTx</a>                               |
| Battery Connector               | 2.95      | 3.6        |                       |   |