# Purchase Recommendations

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| Product | # | Unit Price (USD) | Notes | Link |
| Adafruit BNO055 | 3 | 34.95 | IMU with integrated sensor fusion | https://www.adafruit.com/product/2472  <https://www.buyapi.ca/product/adafruit-9-dof-absolute-orientation-imu-fusion-breakout-bno055/> |
| Adafruit Feather nRF52840 Express  Assembled Adafruit HUZZAH32 – ESP32 Feather Board - with Stacking Headers | 2 | 21.95 | Microprocessor with Bluetooth classic, LE, and WiFi capability | <https://www.buyapi.ca/product/adafruit-feather-nrf52840-express/>  <https://www.adafruit.com/category/946>  <https://www.adafruit.com/product/3619> |
| Adalogger FeatherWing – RTC + SD Card Support | 3 | 8.95 | Additional module for SD support | https://www.adafruit.com/product/2922 |
| Adafruit Perma-Proto Half sized Breadboard PCB | 3 | 4.50 | Mounts main feather and imu | https://www.adafruit.com/product/1609  <https://www.buyapi.ca/product/adafruit-perma-proto-half-sized-breadboard-pcb-3-pack/> |
| SanDisk Edge 4GB MicroSD Card  (with adapter) | 3 | 7.95 |  | https://www.adafruit.com/product/102 |
| Button | 1 | 2.50 | (toronto kit only) | https://www.adafruit.com/product/3490 |
| Adjustable 60W Pen-Style Soldering Iron - 120VAC USA Plug - BEST 102C | 1 | 19.95 | (toronto kit only) | https://www.adafruit.com/product/3685 |
| solder | 1 | 11.95 | (toronto kit only) | https://www.adafruit.com/product/2473 |
| breadboard | 2 | 6.95 | (1 toronto kit 1 ottawa) | https://www.adafruit.com/product/239 |
| TOTAL |  | 261.25 USD (plus tax/shipping)= 342.43 CAD |  |  |