**Bill of Materials for the Omarichet Edusat Sensor Boards**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Component** | **No.** | **Unit Price (ksh)** | **Total Price**  **(ksh)** | **Vendor** |
| Resistors 1k \*2, 7.5k, 30k | 5 | 3 | 15 | K-technics |
| Light Dependent Resistors | 1 | 10 | 10 | K-technics |
| ACS712-05B Current sensor | 1 | 300 | 300 | K-technics |
| MCP3008 Analogue-Digital Convertor | 1 | 300 | 300 | K-technics |
| Adafruit GPS | 1 | 4000 | 4000 | [Adafruit](https://www.adafruit.com/product/746)(Intl) |
| BME280 | 1 | 400 | 400 | K-technics |
| DHT sensor | 1 | 450 | 450 | K-technics |
| Mpu6050 | 1 | 400 | 400 | K-technics |
| UV sensor | 1 | 845 | 845 | [Adafruit](https://www.adafruit.com/product/1918) (Intl) |
| Magnetometer | 1 | 250 | 250 | K-technics |
| 5v to 3.3V logic Translator | 1 | 150 | 150 | K-technics |
| LED | 2 | 5 | 10 | K-technics |
| 1x40 Pin socket connectors | 3 | 25 | 75 | K-technics |
| 2x40 Male Pin header connectors | 3 | 30 | 90 | K-technics |
| 2x50 Female Pin Socket connectors(stackable) | 3 | 30 | 90 | K-technics |
| 10u Capacitor | 4 | 10 | 40 | K-technics |
| LM7805 | 1 | 30 | 30 | K-technics |
|  |  |  |  |  |
|  |  | **Total** | **6875/=** |  |
|  |  |  |  |  |

Note: Two components Adafruit GPS and UV sensor must be shipped from an international seller