# ParkLife Report – Technology

Version 0.1A

The following table lists the component technology used in the Noticeboard and Sensors for the ParkLife project with purchase cost weighting and online links.

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| **Component** | **Unit Cost** | **Links** |
| Pycom LoPy | ££ | <https://pycom.io/product/lopy4/> |
| Raspberry Pi  Zero W | £ | <https://www.raspberrypi.org/products/raspberry-pi-zero-w/> |
| WiFi Hub:  GL-AR150 | ££ | <https://www.gl-inet.com/products/gl-ar150/> |
| Solar Charge Controller:  EPEVER Triron 1206N | ££ | <https://www.epsolarpv.com/product/5.html> |
| 12V 20AH Lead-Acid Battery | ££ | <https://www.amazon.co.uk/gp/product/B01HQE9W92> |
| 100W Flexible Solar Panel | £££ | <https://www.photonicuniverse.com/en/catalog/full/508-100W-Reinforced-narrow-semi-flexible-solar-panel-with-a-durable-ETFE-coating-German-solar-cells.html> |
| A0 Noticeboard  External | £££ | <https://www.xldisplays.co.uk/products/external-notice-boards---wall-mounted.aspx> |
| E-Paper Display  7.5inch | ££ | <https://www.waveshare.com/7.5inch-e-paper-hat.htm> |
| Ultrasonic Microphone: Ultramic 192K | £££ | <https://www.dodotronic.com/product/ultramic-um192k/> |
| Infra-Red LiDAR:  TFMini Plus | ££ | <http://en.benewake.com/product/detail/5c345cd0e5b3a844c472329b.html> |