Application Notes

Technical application notes for hardware and software designs and best-practices are stored in the app-notes Github repository:

https://github.com/particle-iot/app-notes/

Highlighted App Notes

HARDWARE DESIGNS

- AN001 Basic SoM Design is a simple SoM base board. Like a Boron it can be powered by LiPo battery, USB, or an external DC supply. It includes: RGB LED, bq24195 PMIC, MAX17043 Fuel Gauge, USB Connector, LiPo Connector (JST-PH), and M.2 SoM Connector.
- AN006 Vehicle Power provides sample designs for powering Particle devices in vehicles.

PROGRAMMING TECHNIQUES

- AN002-Device-Powerdown shows how to have an Electron, E Series, or Boron gracefully power down under battery power when the power supply is disconnected then automatically power up when restored. This can be useful in automotive applications or devices powered by a switch in mains power applications.
- AN005 Threading Explainer provides detailed information on using execution threads on Particle devices.
- AN008 Using a Xenon with the Nordic SDK

TROUBLESHOOTING

- AN003 Interpreting Cloud Debug shows how to interpret cloud debugging logs to troubleshoot various common issues.
- AN004 Interpreting Cloud Debug-2 is a deep dive into interpreting cloud debug logs and cross-referencing the AT command guide for the u-blox modem.
- AN007 Tower Info is a tool for location nearby cellular towers.

Numerical List

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