Jeremiah Scott

**Power Proposal**

**Summary:**

Have USB and rechargeable battery power operating at a nominal 3.7VDC.

**Power Management IC:**

TI bq2407x series

16 pin IC

Cost: $2.98

Uses USB 5v input voltage

Supplies system power with or without battery

Provides charge indicator outputs

<http://www.ti.com/lit/ds/symlink/bq24072.pdf>

**Battery Proposal:**

Single Li-Ion cell

Cost: $7.49

2200mAh

Would provide *at least* 1.3 hours of operating time (worst case scenario)

<http://www.all-battery.com/li-ion1865037v2000mahbuttontoprechargeablebatterieswithpcm.aspx>