

FIRST COMPLETE, BACKUP BATTERY-MANAGEMENT ICs FOR LITHIUM AND NiMH BATTERIES

The MAX8568A and MAX8568B are complete charging and backup switchover ICs for PDAs, smartphones, and other smart portable devices. They charge both lithium and NiMH cells. A low-current boost DC/DC converter allows a single NiMH cell to back up 2.5V or 3.3V logic. Up to two system supplies (typically I/O and memory) are backed up when the on-chip voltage detector senses a main power-supply failure. The MAX8568A/MAX8568B are available in space-saving 3mm x 3mm, 16-pin TQFN packages.

Are You Serious About Saving Component Board Space and Cost?

Maxim Solution: MAX8568

- Backup-Battery Switchover and Charging in One IC
- Charge NiMH and Lithium
- Backup-Battery Boost Converter
- Two Backup Outputs
- Priced at \$1.45[†]

Discrete Solution:
The old solution requires a boost-converter, two LDOs, a voltage reference, two comparators, and additional passive components.

[†]1000-up recommended resale. Price provided is for design guidance and is FOB USA. International prices will differ due to local duties, taxes, and exchange rates. Not all packages are offered in 1k increments, and some may require minimum order quantities.



www.maxim-ic.com

FREE Power Supplies Design Guide—Sent Within 24 Hours!

CALL TOLL FREE 1-800-998-8800 (6:00 a.m.–6:00 p.m. PT)

For a Design Guide or Free Sample



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