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Applications
Framework ...

Applications for

portable power

management is

becoming a bright spot

in the field of

semiconductors brilliant

laptop battery.

According to market

research firm CIR

report released by the

market over the next

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few years portable applications based on the power device market is very optimistic about sales in 2004 expected to reach 4.3 billion U.S. dollars, and in 2008 rose sharply to 7.2 billion ...

A Low-Volume Power Management Module for Portable ...

The System Power Management (SPM)

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Application

Outgoing

Architectural

Framework provides a number of benefits to all parties of the portable device development ecosystem. These include capturing power management in a single framework and enabling device IP vendors to deploy advanced power management capabilities in a portable manner.

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Portable Power Management in

Portable Applications:

Charging ...

AN793 Power

Management in

Portable Applications:

Understanding the Buck

Switchmode Power

Converter This

application note focuses

on the fundamentals of

inductor based

switchmode power

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converters. This is a
?grass roots? approach

to understanding

switchmode power

converters. Specifically,

the basic buck circuit

topology and its

associated waveforms

will be examined both

empirically and ...

Power management
solutions for portable
medical applications.

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Power Specialists ”

Portable

Applications

Designing

application engineers in portable power

applications. This article

discusses some of the

technical challenges

faced by engineers in

developing portable

electronic devices and

the chips used to power

them.

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Power Management for
Healthcare Applications

↳ Analog Devices

For example, if your application is running on a portable computer, you might want to disable certain features in your application when the computer's battery charge falls under a certain level.

The .NET Framework

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provides a

Portable
PowerModeChanged

Application
event that occurs

whenever there is a
changing
change in power status,
such as when a user
suspends or resumes the
operating system, or
when the AC power
status or ...

High-performance
power management ICs
for portable devices ...

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Portable
trends in portable

consumer applications

... continue to converge,

in terms of functionality
and feature sets,

bringing many

challenges to the circuits
required to power these
applications. ...

electronics mobile radio

mobile consumer

electronics power

management portable

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Applications for
portable power
management trends |
IBM ...

The main applications
are power management
integrated circuits
(PMIC) for smartphone
applications such as IF
PMIC/Battery
management with
Quick charging,

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Applications

charging solutions for LCD and

OLED displays for

smartphones, monitors

and large TVs; Audio

products for boosted

Class-D amplifiers, high-

performance audio

codec, and surface

sound for flat ...

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Portable Applications

Powering today ' s

portable world poses

many chal-lenges for

system designers. The

use of batteries as a

prime power source is

on the rise. As a result, a

burden has been placed

on the system designer

to create sophisticated

systems utilizing the

battery ' s full potential.

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Applications

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Management in

Portable Applications ...

Portable Applications

Power management is

critical in all electronic

applications, but it is

even more critical in

portable battery-

powered applications.

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Portable electronic applications began with

calculators and radios

and have grown over

the last decade to

include popular

products such as cell

phones,

Power Supply Jobs and

Technology

Opportunities in

Portable ...

Abstract. The aim of

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this paper is to describe the power management system for portable electronics. In the recent years, consumers demand more and more from their mobile devices, including broadband connectivity and leading features such as high-end digital camera functions and HD audio, but one of the most requested

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features is a longer
battery life.

Applications

US6879142B2 - Power
management unit for
use in portable ...

AN947 Power

Management in

Portable Applications: ...

Battery, Charger,

Lithium-Ion, Li-Ion,

Portable, Power .

Application Notes &

Source Code. Last

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Portable
Updated. Size AN947.
07/27/2004. 244KB.

Silicon Products

Products Applications

Design ...

Power management trends in portable consumer applications
Portable medical systems cover an extremely wide range of applications, including blood pressure monitors,

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Applications

Some

applications require the hardware to operate for long periods of time, while other applications require a short operation time and a long standby time.

Power Management

Units | ams

Starting work in the

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power management
business in 2001, he has

been active in various

applications positions

including four years in

Phoenix, Arizona,

where he worked on

switch-mode power

supplies. He joined

Analog Devices in 2009

and works as a field

applications engineer for

power management at

Analog Devices in

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München.

Power management in
battery powered
handheld portable ...

A variety of products
and technologies
targeted at power
management in portable
devices were on display
at Techno

Frontier.Toko, Fujitsu
Semiconductor and
Toshiba Semiconductor

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were a few of the companies targeting portable applications.

Toko demonstrated wireless charging modules, Fujitsu announced two new dc-dc converters and Toshiba expanded its offering of MOSFETs.

AN947 Power
Management in
Portable Applications:

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Charging ...

Portable
Applications
a balanced approach to
portable power. To

minimize power drain

and battery life, it is

beneficial to select a

PMIC device that

supports about 90%

efficiency or better. To

accomplish this, the

PMIC device needs to

minimize switching

losses via synchronous

Power Management

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Design for Applications
Processors POWER

designer Figure 2.

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Power Management in
Mobile Devices |

ScienceDirect

Power management unit
for use in portable

applications Download

PDF Info Publication

number US6879142B2.

... 2003-08-20

Application filed by

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Broadcom Corp filed
Critical Broadcom Corp

2003-08-20 Priority to

US10/643,956 priority

Critical patent/US6879

142B2/en

Power Management

Design for Applications

Processors

These highly integrated,
flexible power

management units are

ideal for use in portable,

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battery-powered devices. They include a battery charger, DC-DC converters, LDOs and backlight drivers. They feature sophisticated power-saving functions such as dynamic voltage scaling and power-save modes to help extend battery run-time.

Power Management in
Portable Systems Using

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MAX II CPLDs

Abstract— This paper introduces a 2-stage power management architecture for battery powered portable applications. The presented topology combines a fixed ratio multi-output switched capacitor converter stage with two-input buck converters to achieve low volume and

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high power processing
efficiency.

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