# active-semi ®
### Solutions for Sustainability

# Active-Semi's Advanced All-in-one Power Management IC (PMIC) Solutions for Atmel SAMA5D3, SAMA5D4 & SAM9 ARM Based eMPUs

## Active-Semi International, Inc.

*Leader in Power Management IC Solutions for Charging, Power and Motor Control Systems*

## Atmel eMPU Target Applications

- Wearable & Smart Watches
- Human-machine Interfaces (HMI)
- Control Panels
- Smart Grid Infrastructure
- Network Gateways
- M2M Systems
- 2D Barcode Scanners
- Barcode Printers
- Machine Vision Equipment
- Industrial PLC
- Home & Commercial Automation
- POS Terminals

## Embedded Solution Partners

Atmel    ARM

## About Active-Semi

- Headquartered in Dallas, Texas, USA
- Founded in 2004
- 1.5 Billion ICs shipped
- Operations in the US, Europe, China, Taiwan, Hong Kong, Japan and S Korea
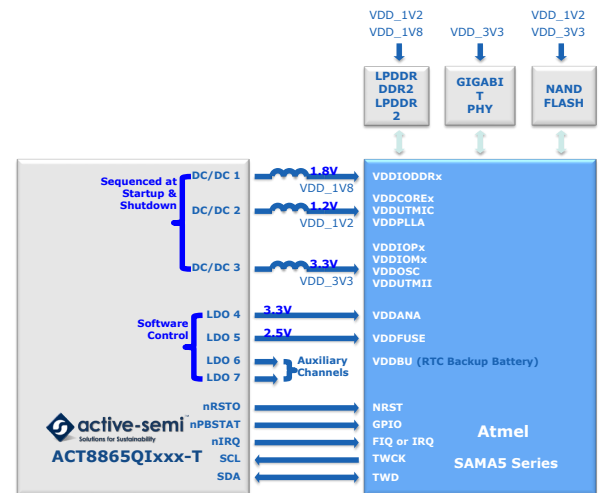- www.active-semi.com/about/leadership

Atmel's SAMA5D3 Xplained evaluation kits focus on enabling designers with a low-cost, fast prototyping platform across a wide breadth of customer MPU-based applications. *Active-Semi's ACT8865 and ACT8945A* are optimized Power management ICs (PMICs) for Atmel SAMA5D3, SAMA5D4 and SAM9 eMPUs and enable reduction in board size, complexity, and total solution cost

### Key Advantages of Active-Semi PMIC Solutions

- Turnkey solution: 80% design effort reduction vs discretes
- Compact Design: Up to 80% fewer parts
- Excellent efficiency with low standby power
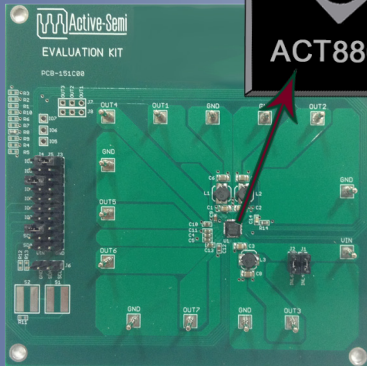- Complete sequence control: Integrated & programmable

**SAMA5 SDK Xplained Eval Kit with Active-Semi PMICs**

**Typical Power Application with Atmel SAMA5 Series eMPUs**

**For more info, visit www.active-semi.com/AtmelPMU**

**Order now from your local distributor, or write to sales@active-semi.com**

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**www.active-semi.com**

# Active-Semi's PMIC Solutions for Atmel eMPUs

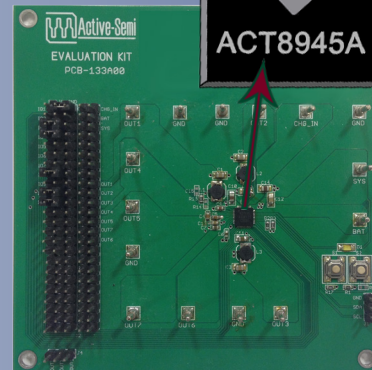## Active-Semi ACT8865 PMIC for Atmel SAMA5 Cortex-A5 and SAM9 ARM926 eMPUs

- Three Step-Down DC/DC Converters
- Four Low-Dropout Linear Regulators
- I2C™ Serial Interface
- External Memories Support
- Advanced Enable/Disable Sequencing Controller
- Minimal External Components
- Tiny 4 mm × 4 mm TQFN44-32 Package

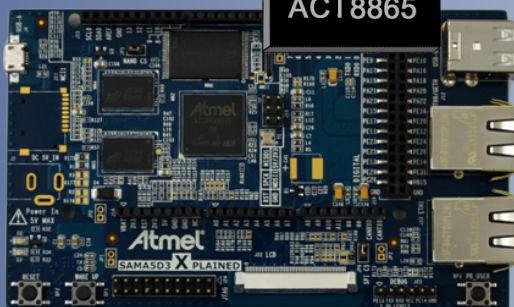**ACT8865 IC and EVK in Production. Order Now**

EVK-ACT8865QI305-T

## Active-Semi ACT8945A PMIC for Atmel SAMA5 Cortex-A5 and SAM9 ARM926 eMPUs

- Three Step-Down DC/DC Converters
- Four Low-Dropout Linear Regulators
- Integrated ActivePath™ Charger
- I2C™ Serial Interface
- External Memories Support
- Advanced Enable/Disable Sequencing Controller
- Minimal External Components in BOM
- Tiny 5 mm × 5 mm TQFN55-40 Package

**ACT8945A IC and EVK in Production. Order Now**

EVK-ACT8945AQJ305-T

## SAMA5 SDK from Atmel Powered by Active-Semi

- SAMA5D36 Cortex-A5 Microprocessor
- 256MBytes DDR2
- 256MBytes NAND Flash
- LCD connectors
- Dual Ethernet (GMAC + EMAC) with PHY and connectors
- Three USB connectors (2 Host + 1 Device)
- 1x SD/eMMC and 1x MicroSD slots
- Expansions headers, Arduino R3 Shield compatible
- Power measurement straps

**http://www.atmel.com/tools/ATSAMA5D3-XPLD.aspx**

ATSAMA5D3-XPLD
**Order your SDK Now**

### For more Active-Semi IC Products, Evaluation Kits, Application Solutions
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