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BQ27421EVM-G1A System-Side Battery Fuel (Gas) Gauge Evaluation Module Board

(ACTIVE) BQ27421EVM-G1A

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Description

System-Side Battery Fuel (Gas) Gauge Solution Evaluation Module

The BQ27421EVM-G1A evaluation module is a complete evaluation system for the bq27421. The EVM includes one bq27421 circuit module with an integrated current-sense resistor. A separated orderable EV2300 or EV2400 PC interface board for gas gauge interface along with a PC USB cable, and Windows™-based PC software is needed when using this EVM. The circuit module includes one bq27421 integrated circuit and all other onboard components necessary to monitor and predict capacity for a system-side fuel gauge solution. The circuit module connects directly across the battery pack. With the EV2300 or EV2400 interface board and software, the user can: (1)Read the bq27421 data registers. (2)Program the chipset for different configurations. (3)Log cycling data for further evaluation. (4)Evaluate the overall functionality of the bq27421 solution under different charge and discharge conditions. The latest Windows™ – based PC software can be downloaded from the product folder on the Texas Instruments Web site.



System-Side Battery Fuel (Gas) Gauge Evaluation Module Board

Features

- Populated circuit module for quick setup and evaluation.
- Downloadable software that can be used for data logging and analysis.

Related Terms:

- Battery Fuel Gauge Integrated circuit
- Battery Fuel Gauge IC
- Battery Fuel Gauge Circuit

What's Included

- [SLUUA63, bq27421EVM Single Cell Impedance Track™ Technology Evaluation Module](#)
- [SLUUA65, bq27421-G1 Technical Reference Manual \(Rev. A\)](#)

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Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status	Lead-Free	RoHS	REACH	WEEE	HI-V (>50VRMS/75 VDC)	CE-EMC	CE-RTTE/LVD	FCC	Batteries	Enclosure	Ext Power Supply
BQ27421EVM-G1A: BQ27421EVM-G1A System-Side Battery Fuel (Gas) Gauge Evaluation Module BoardEvaluation Module	\$99.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Pricing may vary. Buy from distributor	ACTIVE	Yes	Yes	NA	NA	NA	NA	NA	NA	No	No	No

Contact a Distributor


TI's [Standard Terms and Conditions for Evaluation Modules](#) apply.

Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
 bq27421EVM Single Cell Impedance Track™ Technology Evaluation Module		PDF	708	29 Nov 2012	278

More Literature (1)

Title	Abstract	Type	Size (KB)	Date	Views
 Battery Management Solutions for Wearable and Fitness Devices (Rev. C)		PDF	161	18 Aug 2014	3,286

Related Products

TI Devices (1)


Part Number	Name	Product Family
BQ27421-G1	System-Side(tm) Fuel Gauge With Integrated Sense Resistor Battery Gas Gauge	Battery Management Products

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TI-RTOS Update Learn about the latest TI-RTOS features and more in-depth understanding of this TI software tool.	On-Line Training	On Demand
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