

Texas Instruments - EV2300 - USB - Evaluation Board

Product Overview:

The EV2300 is a USB-based interface board for a PC that can be used to evaluate battery fuel gauge circuits designed with Texas Instruments' ICs. The EV2300 has connections on it for a USB cable and also accepts inputs from a battery fuel gauge circuit's communication port (SMBus or HDQ). By running the appropriate PC software for the corresponding fuel gauge IC, the EV2300 interface board allows the user to evaluate the battery fuel gauge circuit.



Kit Contents:

The EV2300 kit contents are:

- EV2300 circuit module
- Standard USB cable

Key Features:

The EV2300 interface board includes the following product features:

- USB-based interface board for evaluation of battery fuel gauge circuits developed with fuel gauge ICs using the HDQ and SMBus communication protocol
- Provides interface between intelligent battery circuit and a Windows-based PC
- Connects to the USB port of a PC
- Allows for on screen display and programming of gas gauge register functions when used with the appropriate PC software

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
EV2300	TI	1418187	66H9717

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
TUSB3210PM	TI	USB Controller	1610202	35K1366
BQ8015DBT	TI	Advance gas gauge	NA	02E2644
TPS77033DBV	TI	LDO regulator	8461570	77C1187
SN74LVC1G126DCK	TI	Single bus buffer	1621010	76C4084

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
BQ20Z60EVM	TI	Battery Management Evaluation Module	BQ20Z60	NA	68R5437
BQ24072EVM	TI	Battery Charge Board	BQ24072	NA	34P3346

Document List:

Datasheets:

Part Number	Description	Size
TUSB3210PM	USB Controller	395KB
TPS77033DBV	LDO regulator	442KB
SN74LVC1G126DCK	Single bus buffer	605KB

Application Notes:

File Name	Size
Choosing Between Battery Gas Gauges & to Track Charge Availability	184KB
Battery Authentication and Security Schemes	100KB

Hardware & Software:

File Name	Size
bq2084 Evaluation Software	2.9MB

