



## DVK-SFEU-API-1-GEVK: Sigfox™ API Development Kit for RCZ1

The miniature (15mm x 33mm) Sigfox development kit (DVK), DVK-SFEU-1-GEVK, allows designers to quickly develop Sigfox connected applications in the RCZ1 region using the [AX-SFEU-API](#) SoC solution.

The DVK comes with a free two-year Sigfox subscription and is pre-programmed with the Sigfox stack and an example application that can be used as-is or extended. Approximately 40kB of FLASH is available for application code.

Included in the kit is the [AXDBG-2-GEVK](#) debugger used for debugging software and programming the FLASH.

To program the DVK, the designer needs to download the [development tools](#) and the API software library (link below in the Technical Documents table). The commercially available [IAR 8051](#) compiler is also required. Documentation for the example application is included in the API software library.

The DVK is also a reference design. The designer can copy and paste the reference design to their application board and reuse the DVK Sigfox ready™ certification (P1). The reference design has also been checked for regulatory compliance, minimizing risk for the customer's product level compliance.

The DVK has an SMA connector to allow for both conducted measurements as well as radiated measurements using the included whip antenna.

Designers that already have an application microcontroller but need a Sigfox modem can use the [AX-SFEU](#) solution and corresponding [DVK-SFEU-1-GEVK](#) development kit.



### Previously Viewed Products

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### Design Support

- Technical Documentation
- Design Resources & Documents
- Technical Support
- Sales Support

### Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
<a href="#">DVK-SFEU-API-1-GEVK</a>	Active	Pb-free	Sigfox™ API Development Kit for RCZ1	<a href="#">AX-SFEU-API-1-01-TB05</a> , <a href="#">AX-SFEU-API-1-01-TX30</a>	<a href="#">» Contact Local Sales Office</a> <a href="#">» Inventory</a>

### Technical Documents

Type	Document Title	Document ID/Size	Rev
Software	<a href="#">AX8052-IDE Software Package (Windows Installer)</a>	<a href="#">AX8052-IDE Software Package (Windows installer) - 55125 KB</a>	1.17
Eval Board: BOM	<a href="#">DVK-SFEU-1-GEVK Bill of Materials (ROHS Complaint)</a>	<a href="#">DVK-SFEU-1-GEVK_BOM_ROHS - 63 KB</a>	0
Eval Board: Gerber	<a href="#">DVK-SFEU-1-GEVK Gerber Layout Files (Zip Format)</a>	<a href="#">DVK-SFEU-1-GEVK_GERBER - 0 KB</a>	1
Eval Board: Schematic	<a href="#">DVK-SFEU-1-GEVK Schematic</a>	<a href="#">DVK-SFEU-1-GEVK_SCHEMATIC - 53 KB</a>	1
Eval Board: BOM	<a href="#">DVK-SFEU-1-GEVK StackUp</a>	<a href="#">DVK-SFEU-1-GEVK_STACKUP - 0 KB</a>	1
Software	<a href="#">Sigfox RCZ1 Library for AX-SFEU-API SoC and DVK-SFEU</a>	<a href="#">AX-SFEU-API Library - 1725 KB</a>	1.1.1d
Eval Board: Manual	<a href="#">AX-SFxx-y-GEVK Evaluation Board User's Manual</a>	<a href="#">EVBUM2501/D - 195 KB</a>	0
Application Notes	<a href="#">AX Development Systems - Troubleshooting Guide</a>	<a href="#">AND9621/D - 730 KB</a>	1

