



iSIM

Evaluation Kit (EVK) based on Murata Type 1SC

Part Number: 4573326593144

IoT Connectivity and Platform Services

Soracom provides IoT connectivity and platform services to over 20,000 businesses with solutions for every challenge in IoT. We're focused on making it easy to connect M2M devices at scale, with a powerful IoT SIM that provides global multicarrier connectivity. Soracom provides direct integrations with the world's leading cloud platforms, making it easy to transmit data from your device to AWS, Google Cloud Platform, or Microsoft Azure.

Our team of IoT experts is on hand to learn more about your challenges, and to discuss how Soracom can help at every stage of your product development lifecycle.



**No
Lock In's**



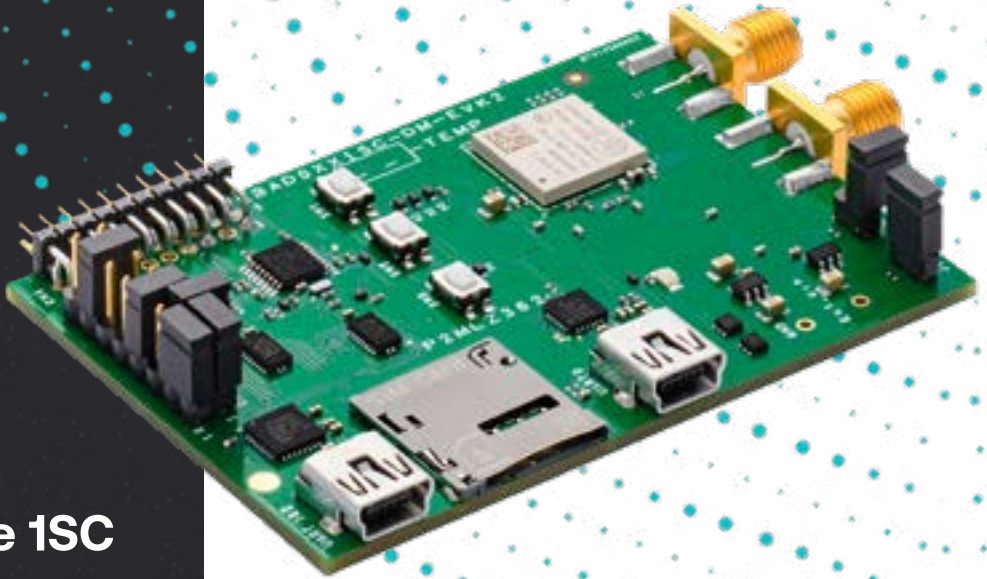
**Flexible
Plans**



**Cloud
Agnostic**



**Total
Visibility**



iSIM is a subscriber identification module built directly into a cellular module's system-on-chip (SoC), creating a low-profile connectivity solution that eliminates the need for a physical SIM. Its core functionality addresses multiple challenges facing IoT developers looking for the next great innovation, particularly as it pertains to miniaturization.

By eliminating the need for separate components, iSIM saves valuable space on the printed circuit board for new features while reducing power requirements and device costs. Its compact design and low power consumption make it an ideal choice for use cases like wearables and trackers, where every millimeter counts.

iSIM builds on the robust security standards set by eSIM technology. Since iSIM is embedded within the device's core chipset, it's better protected against tampering. It also offers multiple layers of authentication, making iSIM a secure, cost-effective, and future-proof choice for the next generation of IoT innovations.

Soracom iSIM Evaluation Kit (EVK) based on Murata Type 1SC

The Soracom iSIM EVK is an evaluation and application development kit for the Murata Type 1SC module that operates off of Soracom's preconfigured global connectivity profile. It is designed to help IoT developers, as well as software/firmware, hardware, and systems engineers, conduct in-depth testing and analysis of their iSIM applications without the need for a physical SIM.

By combining Murata's Type 1SC iSIM-enabled communication module with the Soracom connectivity platform, customers can easily implement integrated, cost-effective, sustainable, and secure IoT solutions at scale, streamlining their global IoT deployment and paving the way to a more connected world.

Soracom collaborated with Murata, Kigen and Sony Semiconductor to bring this innovative iSIM EVK to life.



Out-of-the-box connectivity with the Soracom iSIM EVK

- Connect to a global cellular IoT network
- Evaluate and develop your IoT application without a physical SIM card before full-scale deployment
- Learn how iSIM technology saves circuit board space and requires less power while using LTE-M (Cat M1), NB-IoT, and satellite NB-IoT over non-terrestrial networks (NTN-IoT)

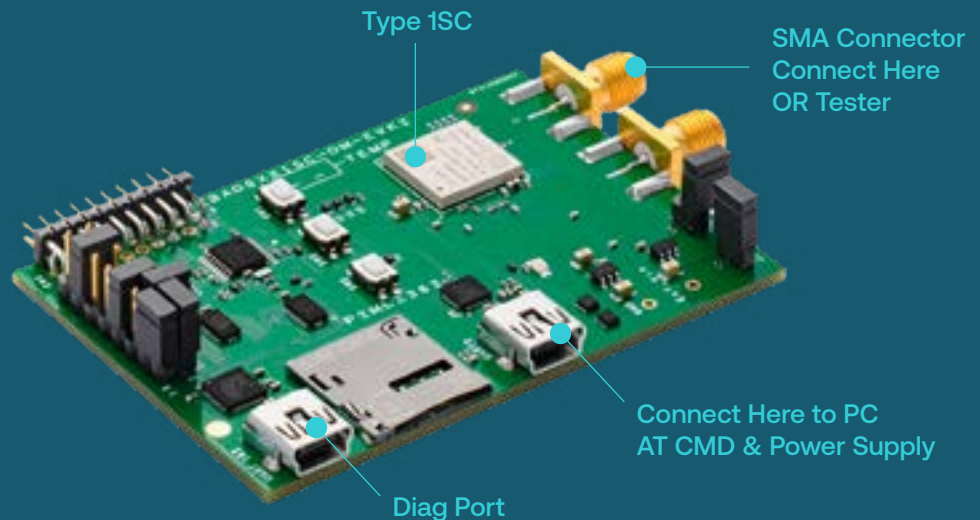
What's in the Soracom iSIM EVK?

The Murata Type 1SC EVK contains the following items:

- ✔ Quick Start Guide from Murata
- ✔ 1x Type1SC Evaluation Board (EVB)
- ✔ 2x Type Mini USB cables
- ✔ 1x Cellular Antenna

How to Connect?

Simply plug in the Soracom iSIM EVK to your PC or microcontroller board by using the included USB cable. Please follow [these instructions to register your iSIM](#) on the Soracom User Console.



Technical Datasheet

Soracom Product Name	Soracom iSIM Evaluation Kit (based on Murata Type 1SC)
Manufacturer	Murata
Murata Product Name	LBAD0XX1SC-DMS-EVK-B
Size	78mm × 51mm × 12mm
Weight	20.82 grams
Supported Networks	LTE-M (Cat M1), NB-IoT, Satellite NB-IoT (NTN-IoT)
Supported LTE Bands (LTE-M /	B1, B2, B3, B4, B5, B8, B12, B13, B14 (CAT M1 Only), B17, B18, B19, B20, B25, B26, B28
Supported LTE-M Bands	Band 2, 3, 4, 5, 8, 12, 13, 17, 20
Chipset	Altair ALT1250
Supported SIM Types	<ul style="list-style-type: none"> • Embedded (iSIM) • Micro (3FF) SIM slot <p>The EVK user can switch between the iSIM and 3FF SIM card. Please note that there is no 3FF SIM card included in the iSIM EVK.</p>
Default connectivity	Soracom global subscription (plan01s) via iSIM
Antenna	1x Cellular Antenna included in the EVK
Power Supply	USB or 5V Input
Interface	UART
Memory	16MB Flash
GNSS	GPS and GLONASS
Documentation	Available for download by registering on “my Murata.” See note included in the package.
RoHS	Yes
Certifications	FCC / IC / RED / TELEC / KC / NCC / GCF / PTCRB

Mouser Electronics

Authorized Distributor

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