

Non-Removable eSIM Spying

Spy on communication between cellular modems and non-removable eSIM or iSIM.

Overview.

Non-Removable eSIM Spying is a fully integrated module that can be added to Mobile Spy allowing you to spy between cellular modems, baseband chips etc and soldered non-removable eUICC (NRe) or integrated eSIM (iSIM) without the need to use any proprietary test hardware.

All modem communications including NRe and iSIM initialization and any eSIM profile download or management operations are fully translated in real time spying to make troubleshooting fast and easy, despite the fact that there is no direct physical access to the eSIM or iSIM interface.

How it works.

Currently, support is available for devices with Qualcomm chipsets; however, support for other chipsets and devices is planned for the future. To begin, set up a free Qualcomm account to gain access to the Qualcomm USB Driver (QUD). Then, contact the OEM to obtain instructions on how to enable the diagnostic port on the device, which is necessary for Mobile Spy to utilize the QUD. Finally, connect the test laptop (where Mobile Spy is installed) directly to the device via USB.

Fime can help you at any stage of your project lifecycle.

Define

Design

Deliver

Test



Test tool to spy and debug root cause for profile management operations.

Key benefits

- Debug interoperability issues between cellular modems and non-removable eSIM/iSIM.
- Assure quality through error detection.
- Real time spying between devices using Mobile Spy's existing industry-leading translations.
- MNO, MVNO and M2M Service providers can ensure device-eSIM/iSIM compatibility with their profiles.
- OEMs/cellular modem manufacturers and EUMs can resolve interoperability issues between the cellular modem and the eSIM/iSIM.

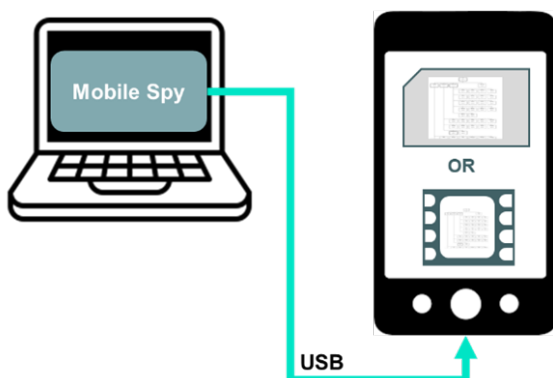
Key features

- Spy on soldered non-removable eUICC (NRe) or integrated eSIM (iSIM) without the need to use any proprietary test hardware.
- Support for Qualcomm USB Driver QUD - other chipsets planned.
- Compatible with Mobile Spy's existing telecoms translations including GSMA M2M SGP.02, Consumer eSIM SGP.22 & IoT SGP.32.

Specifications.

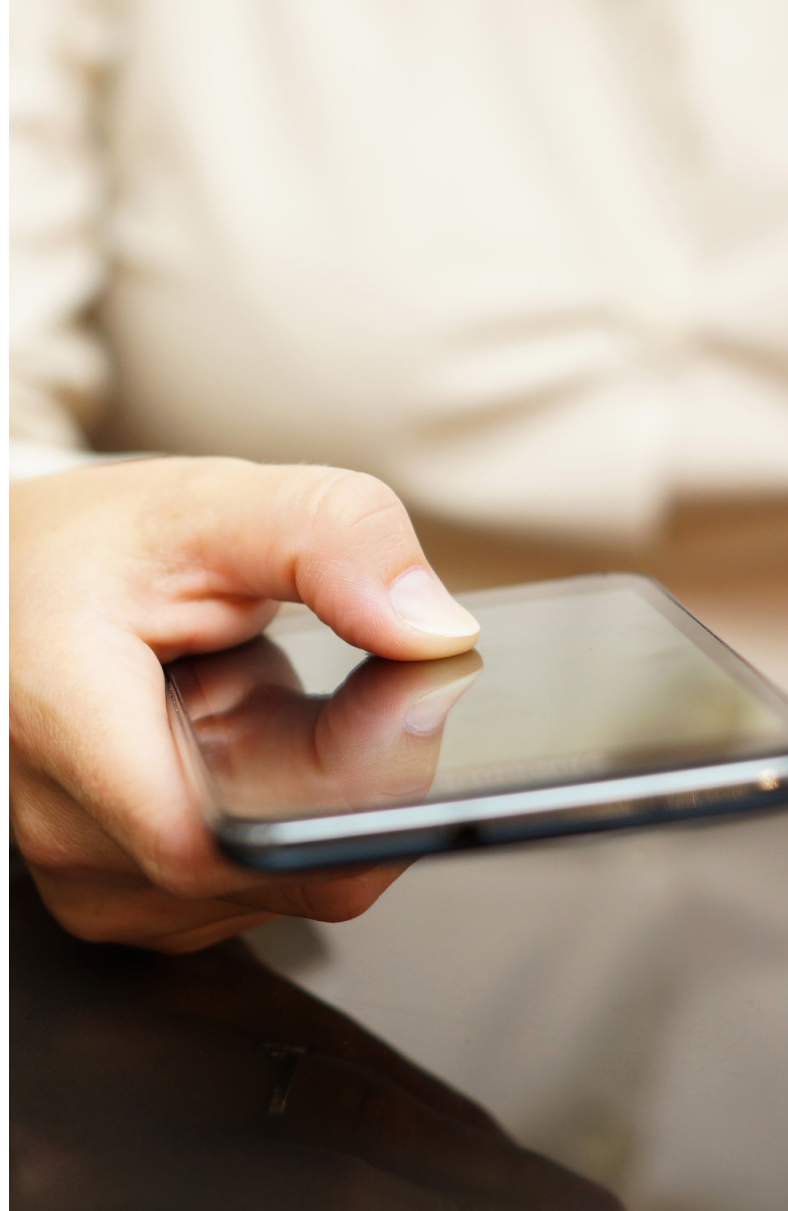
Translation modules and standards supported.

- **Mobile Spy Core:** ISO 7816 translation of the T=0 and T=1 protocols.
- **GSMA M2M eSIM SGP.02:** Consumer eSIM SGP.22 and IoT eSIM SGP.32
- **GSMA:** eSIM decryption and translation of SMS SCP80 and TLS SCP81 in M2M sessions on ES5, ES8 and ES6 including translation of ASN.1 formatted function requests and responses in Consumer sessions on ES10x, ES6 and ES8+ and IoT sessions on ES10a, 10b, ESep and ES8+.
- **3G-5G:** Translation of 3G-5G (W-CDMA) USIM and ISIM commands, files, BIP and GlobalPlatform Secure Element.
- **Card Management:** Translation of GlobalPlatform commands, OTA RFM/ RAM over CAT_TP and SMS, Secured Command Packets (ETSI 102 225 and 3GPP 31.115), RAM Over HTTP (GlobalPlatform Amd. B) including Remote APDU structures (ETSI 102 226 and 3GPP 31.116), SCP02, SCP03 (GlobalPlatform Amd. D) and GSMA's eUICC and related security protocols.
- **Access Control** (ARA-M and PKCS#15).
- **GSM:** Translation of GSM session commands, files, SAT (SIM Application Toolkit) commands and the Bearer Independent Protocol (BIP) channel.
- **CDMA:** Translation of CDMA2000 commands, files and CDMA Card Application Toolkit (CCAT).
- **Customized translations:** Support for customized translations for proprietary applications or proprietary protocols.



What's in the box?

Non-Removable eSIM Spying is a plug-in software module for Mobile Spy and no additional third party hardware is required.



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F-T-NONREMOVABLE-A
Test tool to interpret mobile communication.

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