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# eUICC Profile Manager

**Brand:** COMPRION  
**Product Code:** SMAC100104



## Short Description

**The modular tool** for efficient eUICC life cycle management.

The eUICC Profile Manager enables users to manage embedded SIMs (eUICCs) throughout their entire life cycle.

With eUICC Profile Manager supporting M2M as well as consumer device eUICCs, you can load profiles to eUICCs, enable and disable profiles, and delete profiles. A easy user interface hides the complex RSP (remote SIM provisioning) architecture that is required for execution of the corresponding procedures. In addition, eUICC Profile Manager scans the contents of an enabled profile, visualizes the file system, allows editing, and visualizes the sent and received commands in a sequence diagram or protocol view.

## Description

The modular tool for efficient eUICC life cycle management - **eUICC Profile Manager R3.0**

The eUICC Profile Manager enables users to manage embedded SIMs (eUICCs) throughout their entire life cycle:

- Load, enable, disable, and delete eUICC profiles

- Scan and update file systems
- Create or delete EFs
- Scan and update application content
- Load, install, and delete applications

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The latest release **eUICC Profile Manager R3.0** is now available and provides, besides a fancy new icon, the following update

Loader M2M:

- Support of GSMA SGP.02 v4.2
- Emergency profiles & test profiles
- Profile download with session key replacement
- Update SMSR addressing parameters

Loader Consumer Devices:

- Profile download with session key replacement
- Display of additional eUICC information as a result of eUICC scan

For more details about applied changes, please refer to the release notes.

### **eUICC Profile Manager - Use Cases**

**eUICC Profile Manager** enables users to manage embedded SIMs (eSIMs/eUICCs) throughout their

entire life cycle in a reliable and easy to set up lab environment. It supports the GSMA eUICC specifications

for M2M and for consumer devices. Devices with embedded UICCs can be provisioned or configured

over a cellular network connection established by a network simulator. If the (e)UICC is removable, a

setup variant with the Network Bridge supersedes the use of mobile equipment and

simulator

hardware. This modularity enables the adaption to the respective test environment.

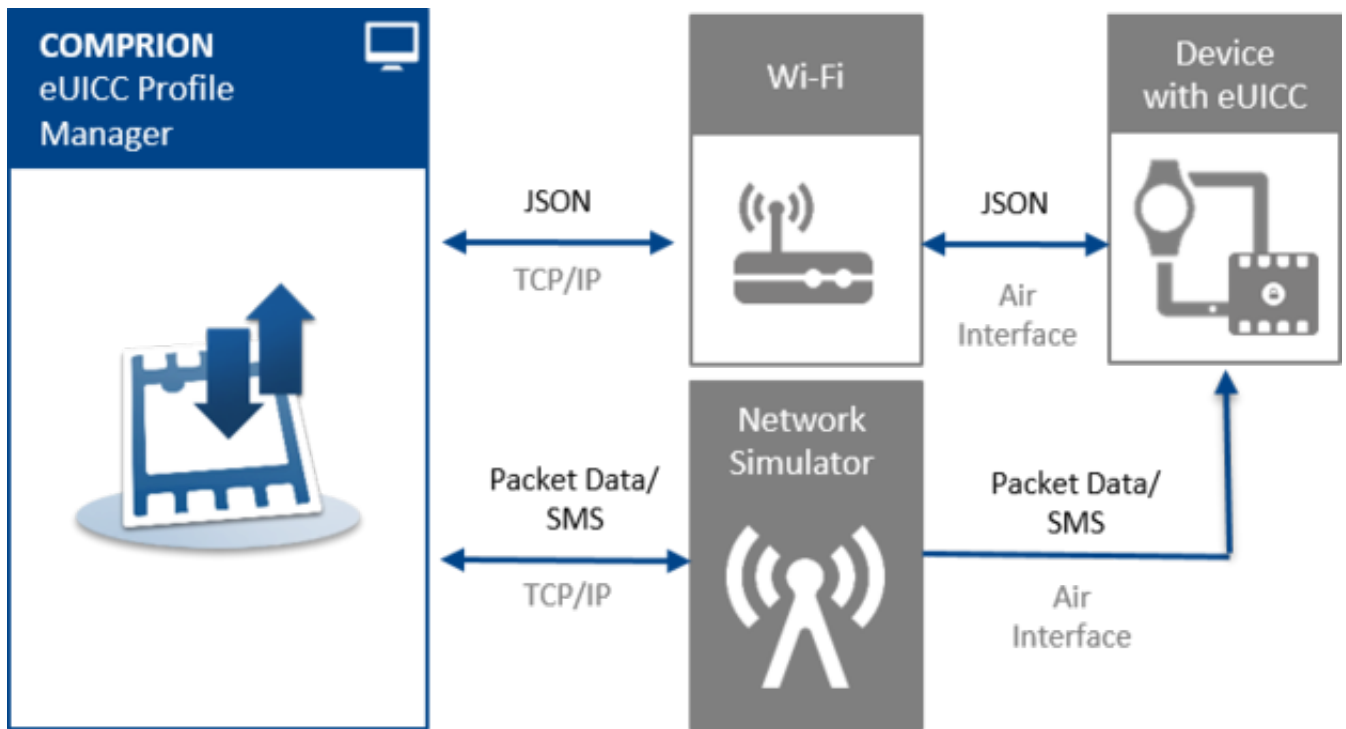
eUICC Profile Manager enables MNOs and eUICC manufacturers in performing remote SIM provisioning scenarios. Furthermore, it proves to be a vital tool for QA engines of device and module manufacturers in various industries.

**The software consists of two components:**

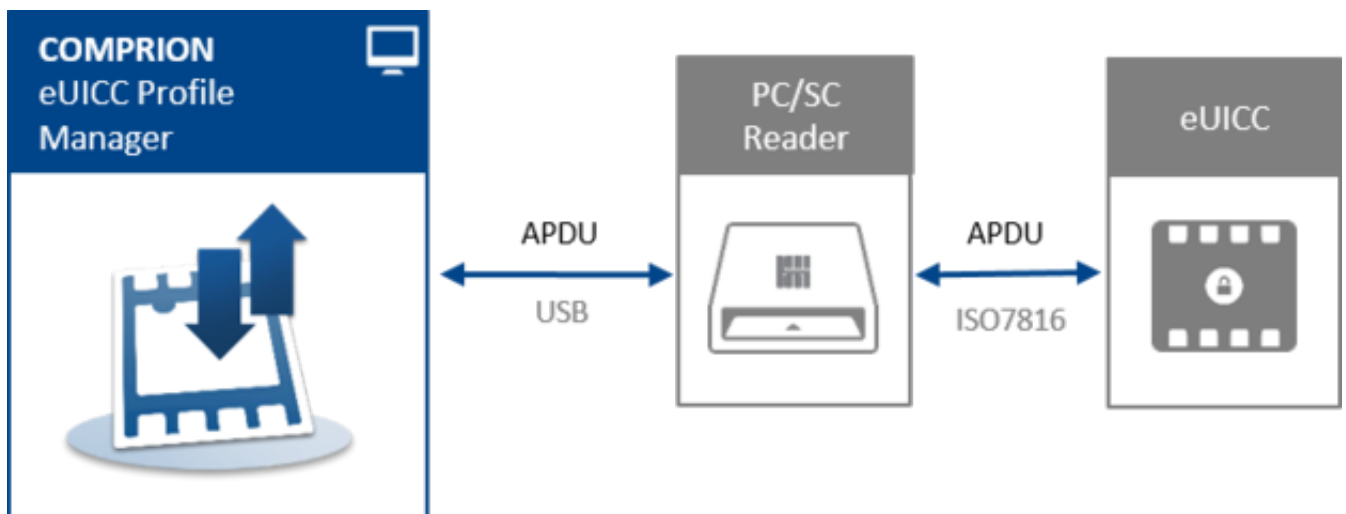
- The **Profile Explorer option** provides means to scan and update already provisioned profiles including remote file and application management (RFM and RAM). It uses the standard remote APDU structure for UICC-based applications, which means that it works with both eUICCs and UICCs
- With the **Profile Loader option**, users can load, enable, disable, or delete profiles of M2M and consumer device eUICCs (type-specific versions offered).

All relevant secure channel protocols and all subscription management servers of both GMSA eUICC realms are supported, which makes eUICC Profile Manager an essential all-round tool for anyone working with eUICCs.

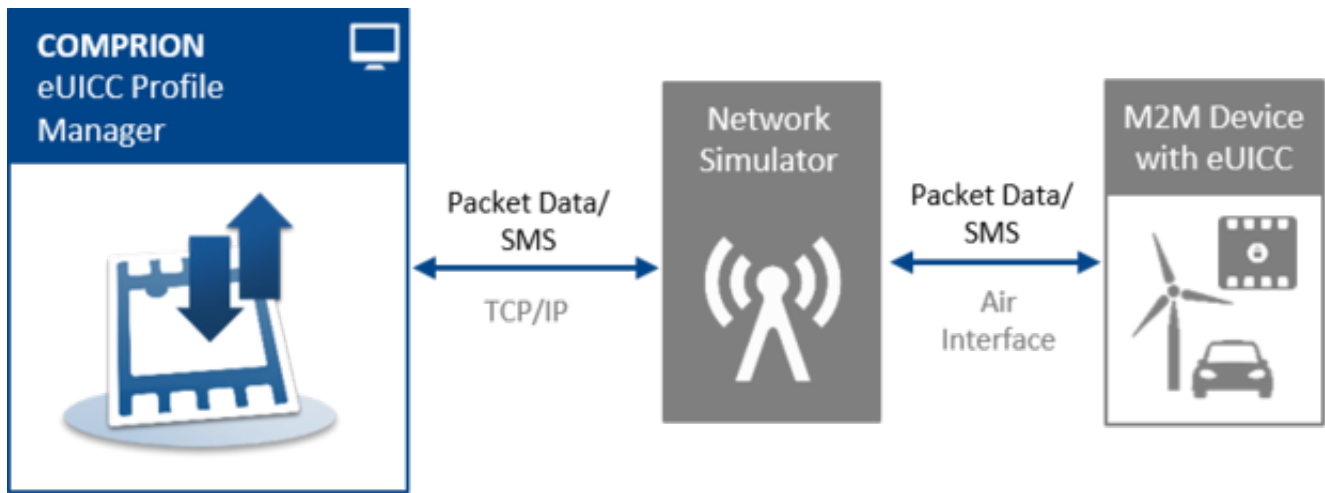
**Setup Options for Testing eUICCs in Consumer Devices**  
**Setup for soldered eUICCs:**



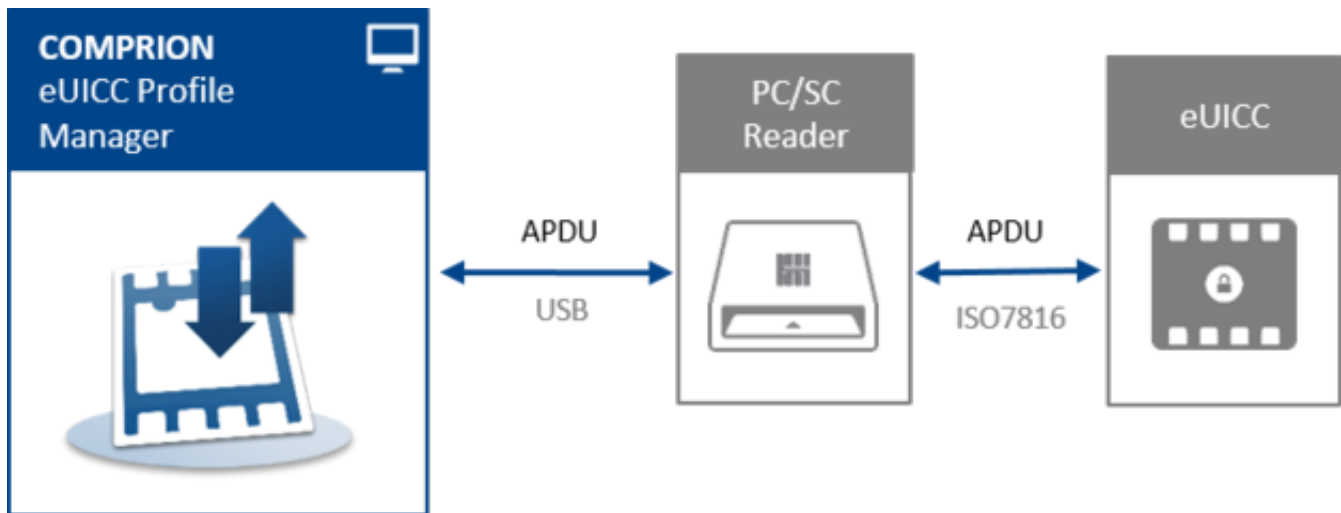
**Setup for not soldered eUICCs:**



**Setup Options for Testing eUICCs in M2M Environment**  
**Setup for soldered eUICCs:**



### Setups for not soldered eUICCs:



### Capabilities - Use Cases - Key Benefits

#### Capabilities

Load, enable, disable and delete eUICC profiles

- Scan and update file system
- Create or delete EFs
- Scan and update application content
- Load, install, and delete applications

#### Use cases

- Enable test operators to prepare devices equipped with eUICCs for testing
- Manage eUICC profiles
- Edit application and file content even on eUICCs soldered into devices

## **Key Benefits**

- Allows comprehensive eUICC profile and lifecycle management
- Ensuring eUICC profile functionality
- Supports launching of reliable services
- Different instruments work seamlessly together and are optimized for each other
- Processing of remote administration and provisioning scenarios in a lab environment
- Access and modify content of (e)UICCs even when they are soldered

## **Specification**

### **Features**

#### **Profile Loader**

- eUICC profile management:
  - Load, enable, disable, delete
- Profile Loader M2M configuration
  - Supports interfaces ES3, ES5, and ES8
  - Simulates servers SM-SR and SM-DP
- Supports SIMalliance Interoperable Profile Format
- Profile Loader consumer devices configuration
  - Supports interfaces ES8+, ES9+, ES10b, and ES10c
  - Simulates SM-DP+ server

#### **Profile Explorer**

- Supports eUICCs and UICCs
- Supports M2M and consumer devices
- Supports ES6 interface
  - Remote File Management (RFM)
  - Remote Application Management (RAM)
- Server simulations for M2M eUICCs

#### **Supported Secure Channels**

- SCP03/SCP03t
- SCP11
- SCP80 SMS
- SCP81 HTTPS

## System Requirements

- Host PC
  - Windows (Win 7, 8.1, or 10)
  - 2 x 2 GHz CPU
  - 4 GB RAM
- Network Bridge setup: PC/SC reader
- Simulated network setup (see figure below):
  - network simulator  
(R&S© CMW290 or R&S© CMW500 or Anritsu MD8475A)
  - Wi-Fi router