

---

# Test SIM Simulator

**Brand:** COMPRION  
**Product Code:** SMAC100101

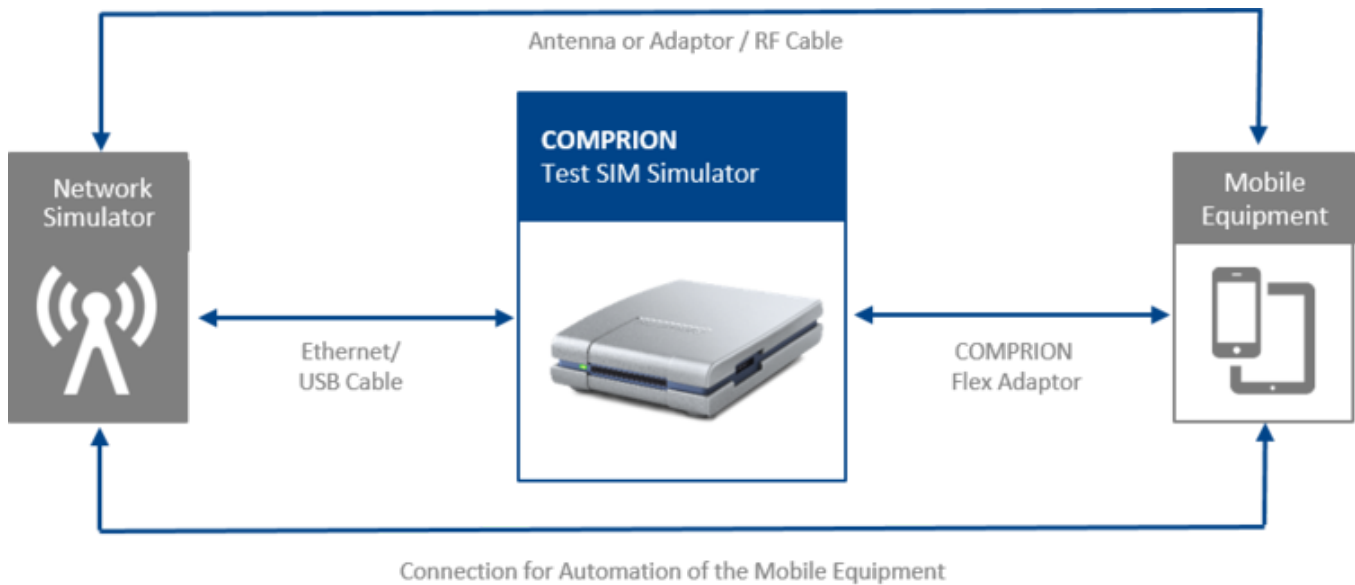


## Short Description

The Test SIM Simulator is an integral part of the test setup offered by vendors of network test equipment. This new solution enables 100% test automation of network protocol conformance testing. Based on the IT<sup>3</sup> Prove! terminal tester (hardware and software), it replaces the physical test SIM card through a simulation. Thus, different UICC profiles (CSIM, USIM, ISIM) needed for the different network access technologies (2G/GSM, UMTS/W-CDMA, CDMA2000, LTE) can be simulated.

## Description

The Test SIM Simulator is an integral part of the test setup offered by vendors of network test equipment. This new solution enables 100% test automation of network protocol conformance testing. Based on the IT<sup>3</sup> Prove! terminal tester (hardware and software), it replaces the physical test SIM card through a simulation. Thus, different UICC profiles (CSIM, USIM, ISIM) needed for the different network access technologies (2G/GSM, UMTS/W-CDMA, CDMA2000, LTE) can be simulated.



The perfect tool for automated simulation of SIM profiles

Digital simulation of smart cards in accordance with ISO/IEC 7816-4

Simulation modules for SIM, USIM, ISIM, and CSIM

100% test automation of network protocol conformance testing:

- Saves time
- Makes test results repeatable
- Minimizes errors
- Plug and play

## **The New Solution - Plug and Play Listening to Our Customers**

The leading network simulator manufacturers approached Smartjac at the Mobile World Congress and asked for such a solution. Their customers (mobile phone manufacturers, MNOs, test labs) currently test up to 100 different card profiles during network protocol testing of mobile phones. Thus, the testers spend a lot of time inserting different test cards into the device under test, configuring them and running the test cases. The manual swapping and configuring of cards is very time-consuming and error-prone. Wrong configuration scripts or wrong EF content require an additional reset of the card profile through a PC/SC card reader and a test repetition. Because of the high error-rate, the network simulator vendors need to provide a lot of support for identifying and analyzing their customers' problems. Thus, they are interested in offering their customers an automated test solution avoiding human interaction.

## The New Solution - Plug and Play

With the new Test SIM Simulator, we achieve 100% test automation. The tester only has to start the test bench and select the card profiles to be used. Everything else runs automatically. This saves time, makes test results repeatable and minimizes errors. For information how to get the Test SIM Simulator, please contact your local representative by sending email to [info@smartjac.com](mailto:info@smartjac.com)

### Test SIM Simulator device testing automation

The Test SIM Simulator was made to speed up device testing significantly as it allows a 100% automation. The simulator running on IT<sup>3</sup> Prove! replaces the physical test card. Test operators do not have to exchange test SIMs manually between the test runs anymore. They just need to pre-select the respective card profiles.

The Test SIM Simulator is designed to operate with test setups supplied by vendors of network protocol conformance test equipment which offer

- GCF/PTCRB protocol pre-conformance and conformance tests
- Regression testing of mobile phones
- Terminal verification according to 3GPP standards

