



IT³ PROVE!

IT³ Prove! – the best companion for your development and pre-conformance testing. The tool offers logical card simulation for testing different mobile equipment and smart card interface technologies. Our innovative software offers a user-friendly GUI which facilitates IT³ Prove! to operate in both simulation and record modes, to perform quick analysis of the recorded traces and measurements, and to conduct pre-defined tests.

IT³ PROVE!

Technical/functional details

- Digital Simulation of Smart Cards in accordance with ISO/IEC 7816-3
- Full support of (U)SIM Application Toolkit
- Provides a structured view of the terminal profile
- Online visualization
- Allows modification of all T=0 and T=1 protocol parameters
- Error simulation
- Setting of application specific data
- Monitoring of the complete SIM-ME communication on all three layers
- High level translation of application specific data for GSM, 3G, CDMA
- Open C++ API for analyzer development
- Timing analysis
- Timing measurements in etu and seconds
- Long recording times

Electrical characteristics

- Supports voltage classes 1.8V, 3V and 5V
- Performance
- Timing resolution: 20ns
- Enhanced speed: up to 8 clock cycles/etu

Simulation modules

- GSM SIM simulation – 3GPP TS 51.011
- 3G UICC / USIM simulation – ETSI TS 102 221, 3GPP 31.102
- GSM SAT simulation – 3GPP TS 11.14
- 3G USAT simulation – 3GPP TS 31.111
- CDMA 2000 R-UIM simulation – 3GPP2 C.S0048-0
- CDMA 2000 CCAT simulation – TSG-C C.S0035-0 v1.0

Test suites

GSM

- IT³ Prove! Testcases 3GPP TS 51.010-1 900/1800
- IT³ Prove! Testcases 3GPP TS 51.010-1 850/1900
- IT³ Prove! Testcases 3GPP TS 11.10-4 SAT Rel.99 Stage 1 900/1800
- IT³ Prove! Testcases 3GPP TS 11.10-4 SAT Rel.99 Stage 2 900/1800
- IT³ Prove! Testcases 3GPP TS 11.10-4 SAT Rel.99 Stage 1 850/1900
- IT³ Prove! Testcases 3GPP TS 11.10-4 SAT Rel.99 Stage 2 850/1900

3G

- IT³ Prove! Testcases ETSI TS 102 230
- IT³ Prove! Testcases 3GPP TS 31.121
- IT³ Prove! Testcases 3GPP TS 31.124 Stage 1
- IT³ Prove! Testcases 3GPP TS 31.124 Stage 2
- IT³ Prove! Testcases 3GPP TS 31.124 Stage 3

CDMA 2000

- IT³ Prove! Testcases 3GPP2 C.S0048-0

Dimensions

- Dimensions (W x D x H) appr.: 185 x 125 x 40 mm
- Weight 0,9 kg

Host requirements**

- OS: Win 2000 and Win XP supported
- USB-Interface: min. USB 1.1; USB 2.0 recommended. For use with IT³ Live! 2 USB ports required
- RAM: 512MB
- Hard disc: min. 50MB
- Processor: 1 GHz or higher

Add-on product

- IT³ Prove! Analog Scope
- IT³ Live!
- IT³ Prove! Offline
- IT³ Prove! Testcases

* Parallel configuration possible
** Host is not part of the delivery

COMPRION

Technologiepark 11
33100 Paderborn - Germany
Phone: +49 - 52 51-699 86 0
Fax: +49 - 52 51-699 86 99
E-mail: info@comprion.com
Web: www.comprion.com

Handed over by:

MUSASHINO Corporation

Tochiku Bldg., 2F
2-14-18 Shibaura, Minato,
Tokyo 108-0023 Japan
Phone: (03) 3453-3351
Fax: (03) 3453-3350
E-mail: ya@comprion.com