

FOR ULTIMATE CLARITY



→ FOR YOUR IT<sup>3</sup>  
**IT<sup>3</sup> MONITOR**

Clarity is a must when it comes to analysing communication between the smart card and the terminal. IT<sup>3</sup> Monitor offers end-to-end analysis of communication between smart card and the terminal. Clear. Precise. Effective.

- MONITOR
- DIGITAL
- ANALOG

**COMPRION**

→ FOR YOUR IT<sup>3</sup>

# IT<sup>3</sup> MONITOR

## Technical details

- Recording and analysis of communication between terminal and Smart Card
- Programmable data analysis routines
- Timing analysis of signals transmitted
- Timing resolution: 20 ns
- Timing in ETUs and seconds
- Enhanced speed: up to 16 clock cycles/etu at 10 MHz
- Analysis of communication protocol properties T=0 and T=1
- Card application analysis
- Translation of application-specific data for GSM, 3G, CDMA 2000, EMV
- User-friendly graphical visualisation of data transfer between terminal and card
- Layer-oriented data mapping
- Time-related synchronisation of the various layer views

## Translation modules

- GSM SIM – 3GPP TS 51.011
- GSM SAT – 3GPP TS 11.14
- 3G UICC – ETSI TS 102 221
- 3G USIM – 3GPP TS 31.102
- 3G USAT – 3GPP TS 31.111
- CDMA 2000
- EMV 2000

## Platform specification

Integrated PC with

- Ethernet 10/100 MBit
- RS 232
- DVI/VGA graphics adapter
- USB
- CD RW
- Keyboard
- Mouse

## Operating system/software

- MS Windows 2000 prof.
- MS Visual C++

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DIGITAL

ANALOG

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