

## MiniMove

Pocket Tracer for All UICC Interfaces



MiniMove is COMPRION's ultra compact trace tool for contact-based UICC interfaces. Although it is extremely small it supports all protocols: ISO/IEC 7816, SWP/HCI, IC-USB.

Powered only via the USB connection to the host PC it is the ideal field testing device even at remote places.

COMPRION's powerful Interoperability Test Center software grants full access to all functionalities of MiniMove.

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### Main Capabilities

- Tracing of communication on all contacts:
  - ISO/IEC 7816 1-4
  - SWP/HCI
  - IC-USB
- Clearly arranged and synchronized layer views
- Interpreter for SIM, USIM, ISIM, R-UIM, SAT, USAT, CCAT
- Powerful analyzers for timing measurements and error identification
- USB power supply (Host PC)
- Remote control

### Use Cases

- Interoperability testing (smart card/terminal)
- Field testing (mobile usage)
- Development/debugging of
  - Mobile phones and chipsets
  - Smart cards
  - M2M devices
- Quality assurance

# Specification

## CAPABILITIES

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### ISO/IEC 7816 Monitoring

- Universal Translator for GSM, W-CDMA, LTE, CDMA2000, SIM/SAT, USIM/USAT, CSIM/CCAT and ISIM
- Provides a structured view of the terminal profile OTA Remote Management Translator views:
  - Application Layer view
  - BIP Layer view
- Supported ISO/IEC 7816 protocols: T=0 and T=1

### SWP/HCI Monitoring

- Based on ETSI TS 102 613/ETSI TS 102 622 and proprietary SWP standard Inside Contactless
- SHDLC (Simplified High Level Data Link Control)
- HCI visualization

### IC-USB Monitoring

- According to ETSI TS 102 600
- Of bytes/frames/bus-states
- Interpretation of SCSI commands in IC-USB mass storage recordings

### General Monitoring Features

- Synchronized visualization of protocol specific information displayed in
  - Protocol layer view
  - Transport layer view
  - Application layer view
  - Summary view
  - Info view
- Timing measurements on APDU level
- Protocol compliance checks on-the-fly

## OPTIONS

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### COMPRION MoVie

- Stand-alone viewing software for logfiles traced with COMPRION test tools (free of charge)

### MiniMove ID-1 Adaptor

- Adaptor for cards in full-size format

## GENERAL FEATURES

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- Supported smart card voltage:  
1.2 V / 1.8 V / 3 V / 5 V
- Speed: max. 8 clock cycles/etu at 10 MHz
- Plug-in card slot
- Input contacts: Voltage range: 0-5 V
- Time measurement performance:
  - Resolution: 20 ns
  - Measurement units: etu, second

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## HOST REQUIREMENTS

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- Processor operating frequency: min. 2 GHz (2 x 1.5 GHz dual core or more recommended)
- RAM: min. 4 GB (8 GB recommended)
- Hard disc (available space): min. 10 GB
- USB interface: min. USB 2.0 highspeed
- Supported OS: Windows 7, 8.1 and 10

## SCOPE OF DELIVERY

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- MiniMove
- Interoperability Test Center
- USB cable
- Travel bag

## DIMENSIONS

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- W x D x H: 82 x 116 x 31 mm

- Weight: 0.31 kg



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