
TraceCase - The slick tracer for contactless transactions

Brand: COMPRION
Product Code: SMAC100115



Short Description

TraceCase Toolbox

Command-Line Tools for TraceCase Remote Control

The slick tracer for contactless transactions

Discreetly trace contactless transactions in the field without disrupting daily business

Simple setup and handling

Capture and analyze digital and even analog data

EMV translator for detailed analysis of payment transactions in Application Layer.

Description

TraceCase is the small and handy test solution for discreetly tracing contactless transactions under real-life conditions. The powerful TraceCase software allows analyzing and debugging in order to create a reliable NFC ecosystem.

Together with TraceCase Toolbox the user receives a command-line based control interface to operate TraceCase remotely. This facilitates the integration into an existing test environment.

Who Is It for?

Technical consultants & application engineers for field trials and pilot projects, for example, in the area of:

- Access control
- Public transport
- Mobile payment

Key Benefits

Perfect for tracing in the field

- Simple setup & handling
- Small and mobile for discreet use
- Data capture without disrupting the daily business
- Location, date, & time are clearly assigned to data

Powerful for analyzing in-house or by a third party

- Comprehensive and reliable software
- Unique: visualizing and analyzing digital and analog signals
- EMV translator: detailed analysis of payment transactions in Application Layer.
- Ideally suited to identify technical issues

On request, TraceCase is also available as TraceCase fit, a customized and even more inconspicuous version hidden in a smartphone case.

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Command-Line Tools for TraceCase Remote Control Sniffing into NFC Communication

Whether mobile payments at the POS, or access control in public transport or in buildings: Wherever NFC technology is used, errors may occur. In order to solve these communication problems in the field, COMPRION has developed TraceCase, a mobile NFC sniffer that comes with a powerful analyzing software.

TraceCase in the Lab

While TraceCase is operated manually by smartphone in the field, TraceCase Toolbox expands the capabilities for the development lab. Using a command-line interface especially facilitates the integration into an existing test environment. Thus, TraceCase can be operated by remote control, and the level of automation can be increased.

Analyzing Analog & Digital Signals

Using the powerful TraceCase Viewer software, the recorded data can be analyzed in-house or by a third party.

Not only digital but also analog signals are displayed and analyzed. TraceCase Toolbox converts the traced data both into plain, easy understandable text (PDF) and into a file format ideally suited for further processing (XML).

Key Benefits - Supported Operating Systems - Main Functions

Key Benefits

- ? Resource-efficient operation
 - Easy integration into test environment
 - Data recording by remote control
 - Automated test runs
- ? Recorded communication is represented in comprehensible form (frame and APDU level)

Supported Operating Systems

- ? Windows 10 (64 bit)
- ? macOS (planned)

Main Functions

- ? Remote control functions
 - Start trace
 - Stop trace
 - Download trace file
- ? Convert TraceCase proprietary format into
 - XML format
 - PDF format

TraceCase

Supported Protocols

- ? ISO/IEC 14443 A/B
- ? ISO 18092
- ? NFC Forum A/B/F

Supported Tag Types

- ? NFC Forum Type 1, 2, 3, 4 A/B Tags

Recording Length

- ? Analog: 0.6 ... 20 s (depending on sample rate)
- ? Digital: 2 Mbit communication data
- ? Sample rate: 54.24 MHz

Interfaces

- ? 1x MCX (antenna connector)
- ? 1x Micro-USB (for recharge)
- ? Wi-Fi (IEEE802.11 b/g/n; 2.4 GHz)
for communication with smartphone
and host PC

Power Supply & Battery Life

- ? Rechargeable battery: 3.7 V, 1,100 mAh
- ? Up to 6 hours