Portable NFC Protocol Analyzer

MP007

The Most Compact Spy Tool on the Market for Contact and Contactless Technologies

The MP007 is a portable spy tool, able to monitor transactions that involve contact and contactless smartcards, banking terminals, NFC devices, on site. Sturdy, and fitting in the palm of your hand, the MP007 is the most precious companion of any engineer who has to perform debugging tasks at their customer site, on location, or in any challenging conditions. The spy tool is light, compact, fits in all laptop bags, and can be placed in any carry-on luggage.

> Supporting our customers from the design to the deployment is one of the key success for Ubivelox.
>
> The portable MP007 is a must-have when we have to ensure the payment transaction between all form factor device, on field. The MP007 covers the protocol and data transportation transactions.
>
> Thanks to a load trace option in NI Lille software interface, Ubivelox is able to check the payment operation quality. For a quick debug session, the transaction can be reloaded in lab even without the real terminal payment in front. We win a lot of time to understand what's wrong, that makes us very reactive on this competitive market to fix any kind of issue.

Ubivelox

The Ideal Tool

01
Spy Feature

- Signals displayed:
- Bytes, Frames, Decoder interpretation Field presence, modulations, sequences, and more on demand

02
Application Fields

- Onsite debugging
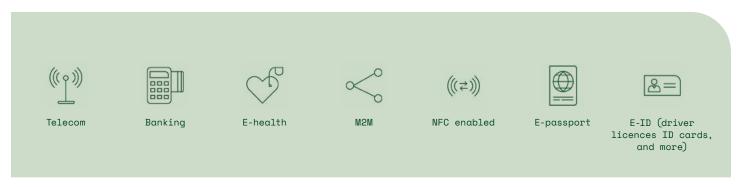- Protocol debugging
- Interoperability debugging

03
Available Accessories

- Carrying case
- Contactless spy antenna
- Contact spy probes (2FF 1, 3FF 1, 4FF 1, all other shapes available on demand)

Key Features

- Emulation of a contact smart card reader or a CLF
- Compact and portable making it ready to operate in all environments
- Support of all necessary contact and contactless communication protocols (ISO 7816, ISO 14443 A/B, ISO 15693, Mifare™, FeliCa™, SWP/HCI, ...)
- Data displayed using MPManager 3.0
- Numerous business oriented decoders, for a perfect understanding of the spied exchange (banking, telecom, NFC, ...)

Business Areas

Telecom	Banking	E-health	M2M	NFC enabled	E-passport	E-ID (driver licences ID cards, and more)

SUPPORTED PROTOCOLS	
ISO/IEC 7816-3	T=0 and T=1 protocols
SWP (ETSI TS 102 613 AND TS 102 622)	
ISO/IEC 14443-3 (TYPE A/B)	Data rates:
	106 212 424 848 kbps
	Asymetrical data rates supported
B' (INNOVATION)	
ISO/IEC 15693	
Data rates:	Low and high data rates, 1 out of 4, 1 out of 256
Mifare™	Types supported: Classic, light, Ultra light, Ultra Light C, Desfire
Felica™	Data rates: 212 and 424 kbps
NFC Forum modes	Peer2peer, Listening, Polling
NFC Forum tags	Types supported: Tag types 1,2,3,4,5

NI Services and Support

Maintenance contracts :

- Firmware/software updates
- Hardware repair
- Onsite customer support
- Replacement tool
- Technical support located in Asia, Europe and Americas

Training courses customizable :

- Knowledge level based
- Time constraints
- Topics of interest

Debug and pre-certification of contact and contactless devices

Contact your account manager, call us or email us to learn more about how NI can help you at (+33)320 746 630 or mp-smartcards@ni.com

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