

ProxiSPY Quest Contactless Spy

Advanced diagnostic becomes simple. Trace and debug contactless technologies for smartcards, mobiles, readers, and any contactless devices, from the analog to the application layers.



ProxiSPY Quest™ is the most advanced laboratory tool to trace and analyze your contactless communication and troubleshoot the interoperability issues in real-time.

It can be used in **transport**, **mobile**, and contactless **payment** fields to analyze and debug new products and ensure inter-device compatibility.

ProxiSPY Quest™ includes a robust, reliable and non-intrusive probe that supports various standard-specific requirements (EMVCo, ISO, ICAO, NFC Forum, and more).

Its technology provides an efficient and complete analysis, from the analog to application layer.

KEY FEATURES

- Non intrusive probe
- Advanced I/Q demodulation
- Automatic decoding: no need to preselect the protocol
- Precise analog spy (25pts / per clock period)
- API for test bench usage
- Real-time triggers, 3 digital I/Os
- Transaction advanced analyzer (timing, application)
- Data logger
- Supports natively all the protocols and speeds

QUESTTOOLS

- Analog Viewer
- Digital Viewer
- Communication Timing Analyzer
- PCD Waveform Analyzer

COMMUNICATION INTERFACES

- USB
- General purpose I/O
- TCP-IP

SUPPORTED PROTOCOLS

- ISO 14443 A/B up to 6.8Mbps (VHBR ASK)
- ISO 15693 all modes
- ISO 18092 (Peer 2 Peer, Passive, and Active)
- JISX 6319 FeliCa™
- NFC Forum (ECMA 340 NFC IP-1, ECMA 352 NFC IP-2)
 - > LLCP / SNEP
 - > NDEF
 - > V-card
- Topaz
- MIFARE™
- B' (Calypso Innovatron)





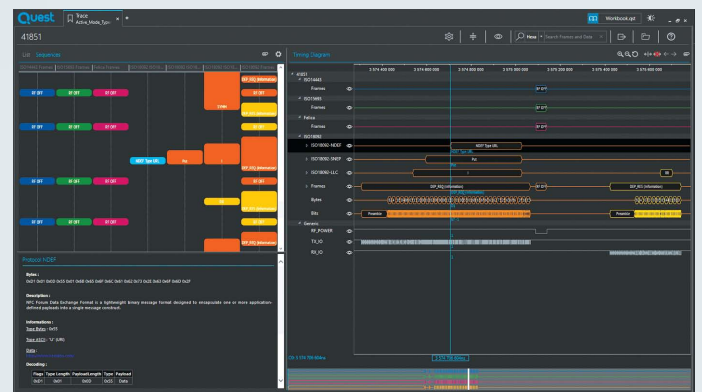
ProxiSPY Quest™ completes the new Quest testing tools range dedicated for professionals to diagnose and analyse smart card systems.

KEOLABS' new **Quest line** offers a broad array of testing **tools** to provide the most accurate performance insights and to help users clearly understand and overcome problems.

Thanks to its new software environment, **Quest**, it has never been so simple to understand interoperability problems and characterize devices performances.



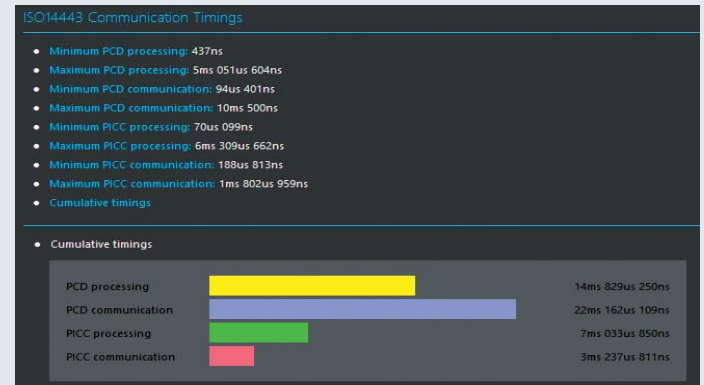
Analog Viewer



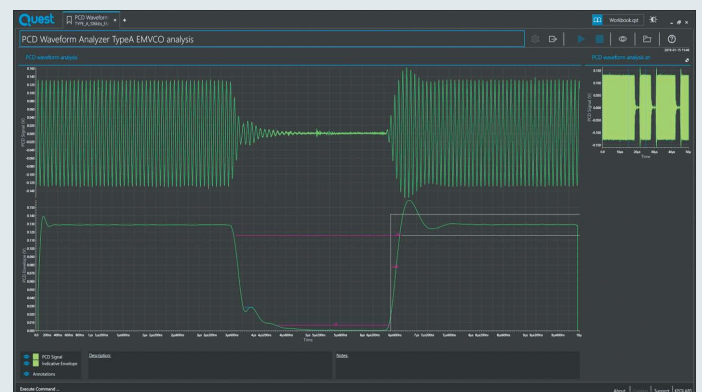
Digital Viewer

QUEST TOOLS

- **Analog Viewer:** Oscilloscope-like display of easily captured analog frames
- **Digital Viewer:** Advanced protocol analyzer enriched with dynamic protocol documentation
 - > List and sequence view
 - > Statistical analysis
 - > Protocol warning/error easily identified
 - > Custom annotation
 - > Filtering and export features
- **PCD Waveform Analyzer:** Automated PCD waveform capture and analog timing extraction. Main standard compliancy checking (supports ISO 14443, NFC Forum and EMVCo analysis)
- **Communication Timing Analyzer:** In situ automated extraction of digital timings (communication and processing time) for easy analysis of cumulative, detailed statistics



Communication Timing Analyzer



PCD Waveform Analyzer