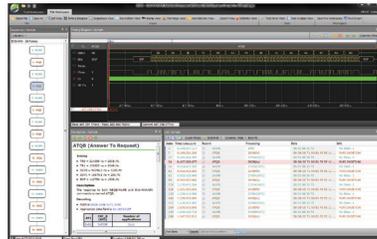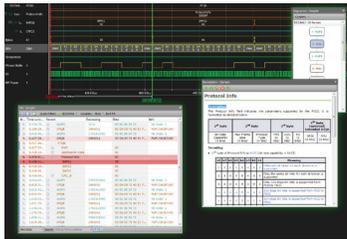# QCard™
The Lab Authority™

ProxiLAB Quest
Featuring One-click Characterization with Quest Performance Explorer

Quest Testing Platforms

In the quest to improve product performance and reliability, having the right testing tools is essential to understanding and optimizing technology.

KEOLABS' Quest line of testing tools challenge technology and provide insights into performance in orders to help users clearly understand and overcome problems with ease and efficiency.

KEOLABS
your challenges, our solutions
Authorized Reseller

Master State of the Art Instrumentation in a Single Click

QUEST

KEOLABS' Quest line of testing tools delivers state of the art characterization capabilities with unprecedented ease-of-use through the new Quest software environment. Quest provides characterization tests as preconfigured scenarios. These scenarios control the testers

programmable features to enable single-click access to contactless tests such as waveform analysis performance profiling.

The scenario's configuration, scripts, traces and results are all stored in a workbook file that can be easily shared with others using the free Quest software.

ProxiLAB Quest
Contactless Characterization & Testing

Explore, prototype and characterize 13.56 MHz contactless technologies in smart cards, readers & NFC enabled objects.

Programmable Features

Redesigned architecture delivers new features to support device testing and characterization including:

- Accurate Arbitrary Waveform Generation (AWG)
- Advanced I/Q demodulation
- 20 dBm Vectorial Network Analysis (VNA)
- Pre-equalizer filtering

Emulates card/reader signals at analog and digital levels with full control of all signal parameters to enable:

- Protocol conformance verification
- Characterization
- Card/Reader waveform analysis
- True-waveform signal replay
- Resonance frequency / Q factor
- and more...

Supported Protocols

- ISO/IEC 14443 (A/B/B'), Mifare™
- VHBR (ASK, PSK to 27 Mbs)
- ISO/IEC 15693, 18000 - 3
- Felicia™ (JISX6319)
- NFC-IP1, -IP2 (ISO/IEC 18092, ECMA 340)

Hardware Interfaces

- Ethernet
- USB 3.1
- 3 General purpose I/O
- 2 Extension HDMI
- 2 Analog inputs
- 2 RF outputs

Validation Solutions & Test Benches

- EMVCo
- ICAO/ISO/IEC 18745-2
- NFC Forum
- ISO/IEC 10373-6
- Cent TS 16974-2

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Q-Card is
ISO 9001 Compliant

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